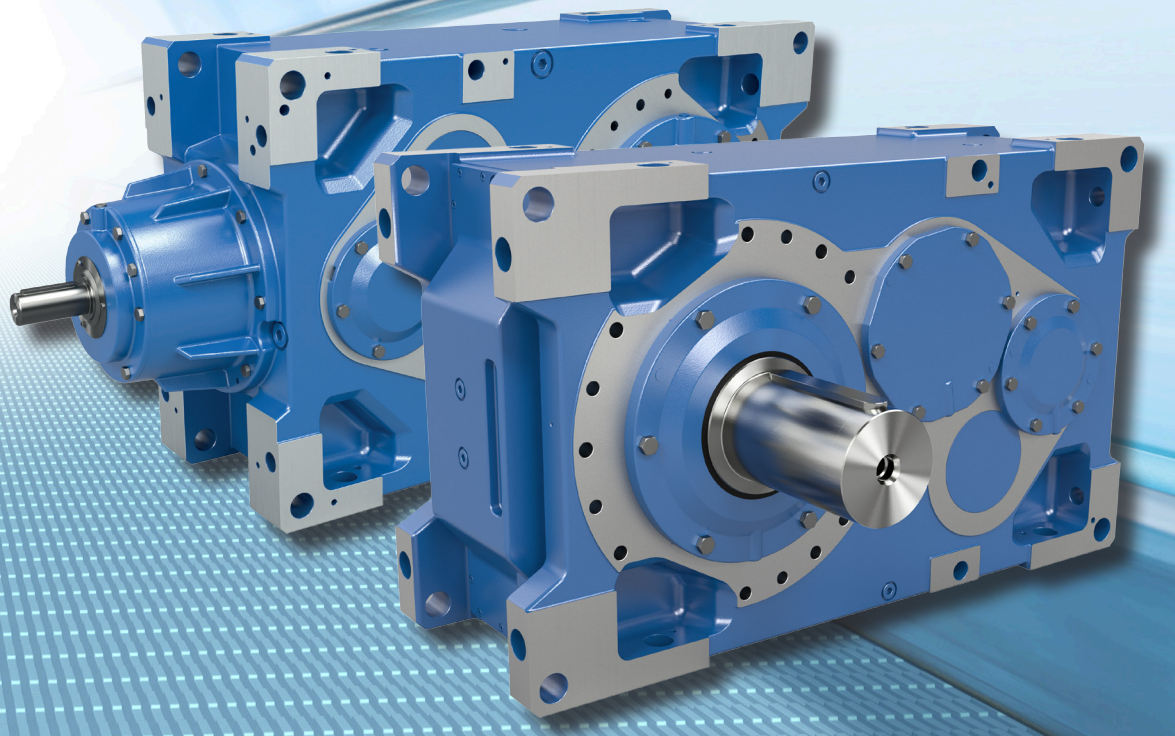
Intelligent Drivesystems, Worldwide Services



Large Industrial Gear Units

Parallel-Axis and Right-Angle

High Precision, Long Life, Low Maintenance

EN

PRODUCT OVERVIEW

G1050 · 50/60 Hz · mm

SK 7207 - SK 15507 Gear Units

NORD DRIVESYSTEMS

NORD DRIVESYSTEMS

Spanning the globe
To serve you

Since 1965, NORD has become well established in the power transmission industry and grown to global proportions on the strength of productperformance, superior customer sevice and intelligent drive solutions. NORD is constantly improving and expandingits products to meet a never-ending variety of industrial challenges.

NORD designs and manufactures drive systems engineered for adaptability. NORD's innovative drive solutions are specified and utilized for a range of applications in nearly every industry throughout the world.

NORD Drivesystems' product portfolio is extensive and continuously evolving in order to meet the needs of today's fast-changing markets. NORD's range of drive equipment includes: helical in-line, helical shaft-mount, helical-bevel, helical-worm and worm gear units with torques from 90 lb-in to 2,200,000 lb-in, readily available AC motors and from 1/6 HP to 250 HP, variable frequency drives up to 250 HP, and mechanical variable speed drives.

But NORD does far more than manufacture the world's finest drive components. We provide our customers with optimum drive configurations for their specific purposes, providing each and every one with truly complete and efficient systems at a price/quality ratio unmatched in today's competitive markets.

NORD makes its wide product range easily available through a global network that includes representation in over 60 countries. By providing all of our customers with prompt delivery, and expert support services, we are firmly committed to exceeding customer expectations and being responsive to the ideas and specifications of every customer, anywhere in the world.

NORD DRIVESYSTEMS Group

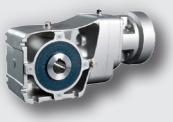
HEADQUARTERS AND TECHNOLOGY CENTRE

- in Bargteheide near Hamburg

Mechanical Products — Gear units

Elektrical Products — Motors

Electronic Products — Frequency inverter and Motor starters



Gear component production

Motor production

Inverter production

INNOVATIVE DRIVE SOLUTIONS

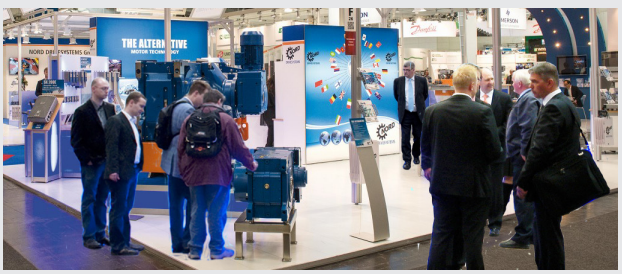
- for more than 100 industrial sectors

7 PRODUCTION LOCATIONS WITH CUTTING EDGE TECHNOLOGY

- for all drive components

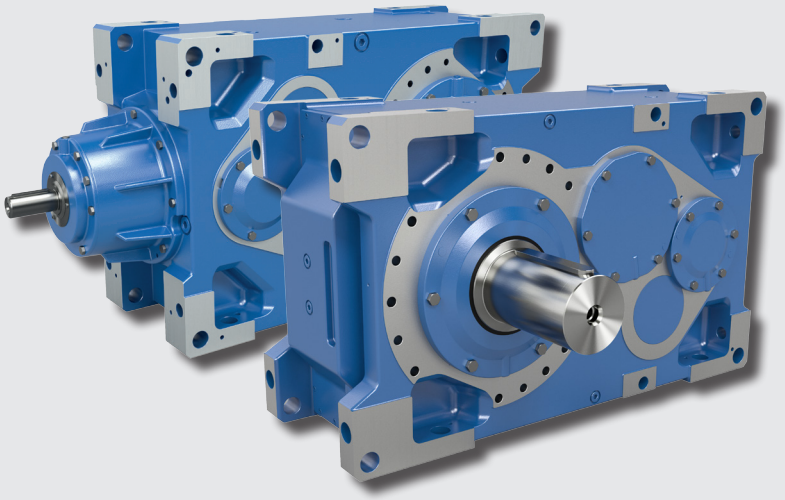
SUBSIDIARIES IN 36 COUNTRIES ON 5 CONTINENTS

- provide local stocks
- assembly centres
- technical support and
- customer service



MORE THAN 3.200 EMPLOYEES THROUGHOUT THE WORLD

- create customised solutions



NORD Parallel & Right-Angle Large Industrial Gear Units

The NORD large industrial gear units offer a unique combination of flexibility and durability for the most demanding high-torque applications. Available in both a parallel-shaft design and right-angle design with a spiral-bevel input. Very high ratios are possible in the form of a compound unit by combining these units with NORD's Clincher™ or Helical-Bevel series.

Gearing and shafting are designed in accordance to international standards and the case carburized and hard finished gears are manufactured to the highest quality. Only industry recognized anti-friction roller bearings are used to provide exceptional bearing life. These units also offer flexible design alternatives by providing a full complement of input, mounting, output shaft, output shaft sealing, and thermal control options.

Optimized geometries and precise shaft alignment provide excellent load-bearing capacity, long operating life, insignificant operating noise as well as lubrication system integrity.

Features and Benefits

- Optimum sealing
- Quiet running
- High torque capacity
- Increased lubricant life
- High reliability
- Maximized operating life of bearings and gears
- Symmetrical design
- Flexible mounting
- Long operating life
- Mirror-image installation possible
- Short lead times
- Standard B14 flange on output
- Same housing size & dimensions for 2 or 3-stage units
- Short delivery times

Content
Catalogue G1050 • 50/60 Hz

PRODUCTS AND CATALOGUES OVERVIEW

MAXXDRIVE™ KEY FEATURES

ENGINEERING

OPTIONS

PARALLEL RATINGS

PARALLEL DIMENSIONS

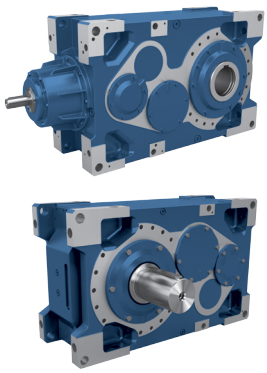
RIGHT-ANGLE RATINGS

RIGHT-ANGLE DIMENSIONS

SWINGBASE DIMENSIONS

Products and Catalogues Overview

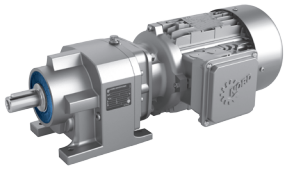
Industrial gear units (G1050)



- All bearing points and sealing surfaces are machined in one operation
- No separating joints in the housing, no sealing surfaces subject to torque
- High-precision axis alignment, quiet running
- Long life, low maintenance
- Gear ratios from 5.54 bis 400:1 with the same foot dimensions
- Parallel & Right-Angled units

Sizes	9
kW	2.2 - 3.000
kNm	up to 250
i	5.6 - 30.000:1

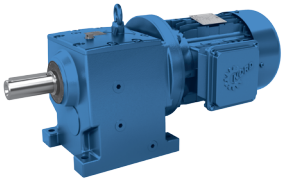
NORDBLOC.1 Helical gear units (G1000)



- Foot or flange mounted
- Die-cast aluminium housing (5 sizes)
- UNICASE housing
- Dimensions compliant with industrial standards

Sizes	8
kW	0,12 – 37
Nm	55 – 3.300
i	2,10:1 – 456,77:1

Helical gear units (G1000)



- Foot or flange mounted
- Long life, low maintenance
- Optimal sealing
- UNICASE housing

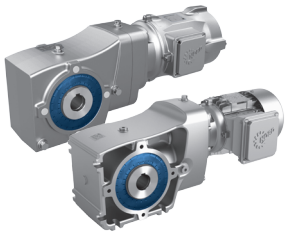
Sizes	11
kW	0,12 – 160
Nm	10 – 26.000
i	1,35:1 - 14.340,31:1

Parallel shaft gear units (G1000)

- Shaft, foot or flange mounted
- Hollow or solid shaft
- Compact design
- UNICASE housing

Sizes	15
kW	0,12 – 200
Nm	110 - 100 000
i	4,03:1 – 6.616,79:1

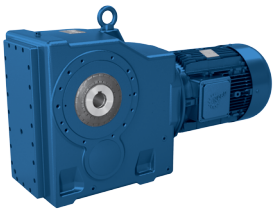
NORDBLOC.1 2-stage bevel gear units (G1014, G1000)



- Up to 97 % efficiency
- Shaft, foot or flange mounted
- Hollow or solid shaft
- UNICASE housing

Sizes	5
kW	0,12 – 9,2
Nm	50 – 660
i	3,58:1 - 70:1

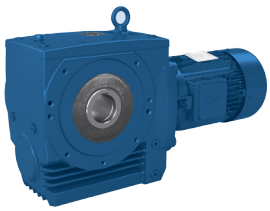
Bevel gear units (G1000)



- Up to 95 % efficiency
- Shaft, foot or flange mounted
- Hollow or solid shaft
- UNICASE housing

Sizes	11
kW	0,12 – 200
Nm	180 – 50.000
i	8,04:1 – 13.432,68:1

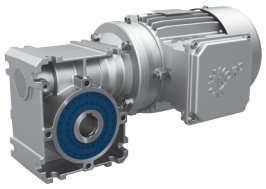
Helical worm gear units (G1000)



- Shaft, foot or flange mounted
- Hollow or solid shaft
- UNICASE housing

Sizes	6
kW	0,12 – 15
Nm	94 - 3058
i	4,40:1 – 7.095,12:1

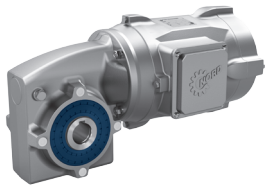
UNIVERSAL SI worm gear units (G1035)



- Modular
- Universal mounting
- Lifetime lubrication
- IEC versions

Sizes	5
kW	0,12 – 4,0
Nm	21 – 427
i	5,00:1 – 3.000,00:1

SMI worm gear units (G1035)



- Smooth surfaces
- Lifetime lubrication
- IEC versions

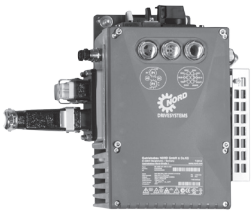
Sizes	5
kW	0,12 – 4,0
Nm	21 – 427
i	5,00:1 – 3.000,00:1

Centralized frequency inverter SK 500E (F3050)

- Energy-safing function
- Integrated „Posicon“ positioning control
- Plug-in modules for control and communication (field bus)

Sizes	11
U [V]	1 ~ 115V 1 ~ 230V 3 ~ 230V 3 ~ 400V
P [kW]	0,25 - 160

Decentralized frequency inverter SK 200E (F3020)



- Energy-saving function
- Integrated „Posicon“ positioning control“

Sizes	4
U [V]	1 ~ 115V 1 ~ 230V 3 ~ 230V 3 ~ 400V
P [kW]	0,25 - 22

Decentralized frequency inverter SK 180E (F3018)

- Stand-alone-operation
- 4 parameter sets (can be switched online)
- Sensorless current vector control (ISD control)

Sizes	2
U [V]	1 ~ 115V 1 ~ 230V 3 ~ 230V 3 ~ 400V
P [kW]	0,25 - 2,2

Motor starter SK 135E

- Integrated electronic brake rectifier
- Consistent parameter structure
- Reversing starter with soft start function

Sizes	2
U [V]	3 ~ 230V
	3 ~ 400V
P [kW]	0,12 – 4kW
	0,25 – 7,5kW

Motors (M7000)

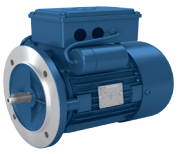
1

Energy-saving

2

Switchable Pole

3

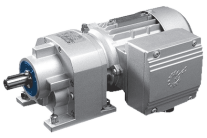


Single-Phase

4

Smooth Surface

5

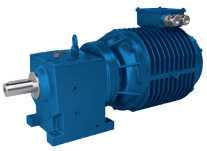


Explosion Protection Gas-Environment

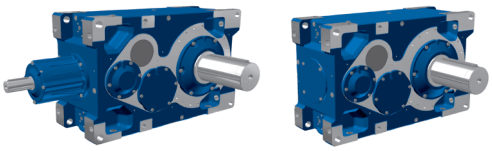
6

Explosion Protection Dust-Environment

7



Ringfin or Ribbed Motors



MAXXDRIVE™ Housings

NORD large industrial gear units have been developed according to the well-proven UNICASE™ housing design in which all bearings and seals are contained within a single casting. The UNICASE™ concept was pioneered by NORD Gear in 1980 and features the highest levels of precision, rigidity and strength by eliminating splits and bolt on carriers. There are no separations in the housing which are subjected to torques or radial loads.

The UNICASE™ principle enables a more compact design that includes larger roller bearings, which guarantee a prolonged operating life. Ease of service to the gear unit is ensured by a large assembly cover over the face plate of the gear unit.

Our UNICASE™ housings are made of cast iron. Ductile iron may be supplied upon request.

Optimized geometries and precise shaft alignment are a result of the UNICASE™ style housing and provide excellent load-bearing capacity, long operating life, insignificant noise levels as well as provide the highest level of system lubrication integrity.

Advantages of UNICASE™ Housings

- ☑ Optimum sealing
- ☑ Quiet running
- ☑ High torque capacity
- ☑ Increased operating life of bearings & gears
- ☑ High reliability
- ☑ Prolonged operating life
- ☑ Increased lubricant life
- ☑ Symmetrical design
- ☑ A B14 face flange on the output side
- ☑ Mounting pads on all 6 sides
- ☑ Mirror-image installation possible
- ☑ Same housing size, installation dimensions for all ratios (2 & 3 stage)

FEM (Finite Element Modeling) Analysis

The MAXXDRIVE™ design process included using state-of-the-art Finite Element Modeling as a key design tool. This allowed optimal structural design to maximize the strength & rigidity of the gearbox and it's components.

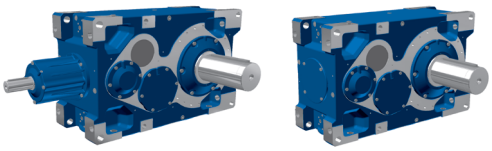
Gear, Bearing and Shaft Standards

All of the gears in the NORD MAXDRIVE™ product line are keyed to provide a positive connection. These gears are additionally mounted with a press-fit between the shaft and gear hub.

The gears included in our MAXXDRIVE™ line are made of high caliber alloy steels and are case hardened. The nominal torque ratings and speeds (calculated according to ISO 6336) are available in the ratings sections of this catalog.

All NORD gear units provide the very highest level of quality, safety and reliability. The gearing, bearing and shaft capacities are calculated according to international standards.

The gears and bearings are designed to be partially submerged in oil during operation. Pressure circulation lubrication is available as an option in the form of a motor or a shaft driven pump. In addition to this option there are many other alternative oil circulation and cooling methods available for the MAXXDRIVE™ product line.



Temperature Management

Please refer to the options section on page ⇨🕮 55 for more information on the following available cooling system options:

Available Temperature Management Options

- ☑ Fan, 3 options
- ☑ External oil/air cooler
- ☑ External oil/water cooler
- ☑ Internal cooling coils (water)
- ☑ Heating cartridges

Lubrication Overview

Proper gearbox lubrication is essential in order to reduce friction, heat, and component wear. Lubricants reduce heat and wear by inserting a protective “fluid boundary” between mating parts and preventing direct metal to metal contact. Lubricants also help prevent corrosion and oxidation, minimize foam, improve heat transfer, optimize reducer efficiency, absorb shock loads and reduce noise.

MAXXDRIVE™ gear units that are mounted in a standard horizontal position are intended to be oil splash lubricated. MAXXDRIVE™ gear units mounted in a vertical or standing position utilize bath or immersion lubrication to ensure oil is delivered to the critical bearing and gear mesh areas. Forced lubrication or pressure lubrication is also an option.

The MAXXDRIVE™ gear units are designed to be able to operate with high performance mineral oil containing an extreme pressure (EP) additive. A viscosity grade ISO VG220 EP (AGMA 5 EP) mineral oil is typical for ambient temperature conditions between 0°C-40°C (32°F-104°F).

While the MAXXDRIVE™ gear units are designed to be able to operate with high performance mineral oil, NORD strongly recommends the use of synthetic oil. Compared to mineral oil, synthetic oil offers the following advantages that provided added wear protection and extend reducer component life:

- Higher film strength, lower traction coefficient and improved lubricity.
- Reduced internal friction (by as much as ½ compared to mineral oil) resulting in lower operating temperatures and improved gear efficiency.
- Superior wear and thermo-oxidative resistance, provides enhanced system cleanliness and enables longer service intervals.
- Higher viscosity index offers improved low temperature and high temperature stability.

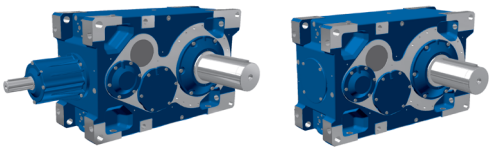
Additional lubrication guidlines can be found on page ⇨🕮 43 of this catalog as well as in the MAXXDRIVE™ maintenance instructions (www.NORD.com).

Durable and Flexible

The MAXXDRIVE™ large industrial speed reducers offer a unique combination of flexibility and durability. The drives are extremely versatile in terms of mounting configurations. They employ a “universal” housing design with mounting surfaces on all six sides. The same housing is used for both our off-set parallel and right-angle drives.

Explosion protection according to ATEX

NORD gear units in modified design and certified according to equipment directive 214/34/EU are available on request for the categories 2 + 3.



Sealing systems

The standard shaft seals that are provided are nitrile rubber NBR (Buna-N), and optionally FKM (Fluroelastomers). For specific ambient conditions, sealing systems incorporating gamma-ring, labyrinth and Taconite seals are also available. In case other specialized sealing requirements are needed please contact NORD Gear.

Available sealing options

- ☑ Single input seal NBR/FKM
- ☑ Double output seal NBR/FKM
- ☑ Gamma ring seal, dust protection
- ☑ Taconite seal (re-greasable labyrinth seal)
- ☑ Cartridge Seal
- ☑ Special sealing options by request

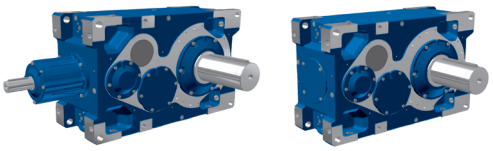
Design Advantages

There are countless advantages for using NORD MAXXDRIVE™ gear units for your large industrial gearbox needs. Here is an overview of some of the significant advantages that this product has to offer.

- ☑ Heavy duty design
- ☑ Competitive features/construction
- ☑ High power density
- ☑ Modular & Flexible Design
- ☑ Increased bearing life compared to split case housings (due to larger bearings)
- ☑ Quiet running - optimized bevel gears
- ☑ Large motor combinations possible
- ☑ One piece housing, which provides higher stiffness than split-case design
- ☑ Efficient fan cooling (optimized air flow over gearcase surfaces)
- ☑ Increased accessory life due to the use of synthetic lubricants
- ☑ Gears - case hardened and ground
- ☑ Antifriction - high quality bearings

DRIVESYSTEMS

Engineering



Vertical Mounting Position

The thermal power limits for vertical output-shaft mounting position (M5 or M6) are shown in the respective ratings sections on pages ⇨🕮 95 - 140 for Parallel units and on pages ⇨🕮 227 - 272 for Right-Angle units.

Consult NORD for determination of the thermal power limits if either the parallel shaft or bevel gear reducer is to be mounted in upright or standing mounting position (M2 or M4).

The mounting positions are displayed on page ⇨🕮 38.

⚠	***IMPORTANT NOTE***	⚠
In standing position or vertical-shaft applications a higher operating temperature rise may result due to the higher oil volumes which create greater oil churning losses. In many instances, NORD may be able to recommend a forced oil lubrication system in order to avoid these higher operating temperature conditions.		

Vertical Motor or Vertical Input Shaft

Parallel-shaft gear units with a motor or input shaft which is pointing vertical-up (M5 or M6 mounting position) require either a higher oil level to lubricate the high-end bearings and gearing or they will require a forced oil lubrication system.

Raising the oil level will result in increased oil churning or splashing losses and additional heating inside the gear unit. To avoid excessive pressure build-up, a critical loss in oil volume through the air vent or shaft seals and possible oil foaming, NORD may need to recommend adding an oil tank (Option OT). For details on the OT options see page ⇨🕮 77.

Alternatively NORD may suggest maintaining a lower oil level and adding a forced lubrication. This will assure lubrication to the all the critical gear and bearing areas and also allow the gear unit to operate at lower oil sump temperatures. Consult NORD for details.

Ventilation

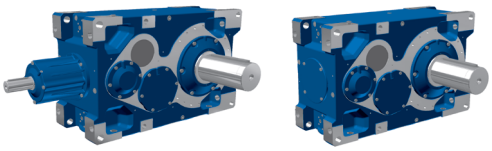
All gear units include a breather for the differences in air pressure between the interior of the gear unit and it's environment.

Overload Conditions

Loads that exceed the gearbox ratings are considered overloads. An overload may either be momentary or periodic in duration, as well as quasi-steady or vibratory in nature. The load magnitude and the number of stress cycles need to be considered and analysis is required to prevent low-cycle fatigue or yield stress failure.

Refer the following load conditions to the factory:

- The peak momentary or starting load exceeds 200% percent of gear unit's rated capacity.
- Frequent load reversals that create high peak torques during the changes in load direction.
- Heavy repetitive shock loads may occur.
- When high-energy loads must be absorbed and high peak torques develop, such as when stalling conditions occur.
- More than 5 peak loads per hour



Oversized Prime Movers

High torque motors or oversized prime movers are sometimes needed to overcome high energy loads. Recommended operating service factors do not cover instances where oversized prime movers are required. Please contact NORD in such cases.

Variable Speed or Multi-Speed Applications

Gear reducer ratings in this catalog are based upon single speed operation of the gear unit. When selecting gear drives for multi-speed or variable speed applications, determine the speed at which the greatest torque is developed and make the initial selection of the gear drive on that basis.

The following information is essential in order for NORD to verify adequate oil distribution, thermal capacity and whether or not there is any need for an oil distribution system or special cooling options:

- Indicate the operating speed requirements and gear ratio.
- Provide the minimum and maximum speeds are along with the speed duration cycles.

NORD Gear specifies different oil levels for various gear reducer sizes, speeds, ratios and mounting positions; If one intends to operate an existing gear drive at a different speed from those shown on the nameplate, the full application and nameplate information must be reviewed by NORD.

Brake Equipped Applications

When a brake is either supplied between the motor and the gearbox or included with a motor, the gear drive must be selected by either the brake's rating or the highest equivalent input power, whichever is greater. If the brake rating is higher than 200% of the rated gear unit capacity or if the brake is located on the output shaft of the gear drive, the application must be reviewed by the NORD.

Wet or Damp Outdoor Installation

Special seals and anti-corrosion measures are required for outdoor installation, in wet or damp environments or in tropical climates.

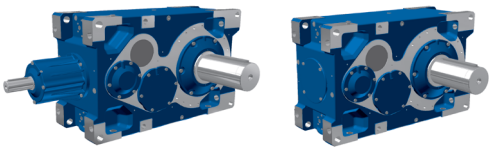
Exposure to Solar Heating

If a drive is exposed to radiant or solar heating, while operating in the sun at ambient temperatures of 104ºF (40ºC) or higher, then special protection measures are recommended. This protection can consist of a canopy over the gear drive or reflective paint on the gear drive. If neither is possible, a heat exchanger or other cooling device may be required.

Special Conditions

Consideration must be taken during unit selection when special environmental or extraordinary conditions are present during transportation, storage or operation. Please consult NORD for assistance.Special conditions may include (but are not limited to):

- Exposure to aggressive corrosive materials, contaminated air, gasses, acids, bases, salts, etc.
- Exposure to high relative humidity (installed outside, in damp rooms, or in tropical environments).
- Direct contact between the gear unit and liquid.
- Material build-up on the gear unit or motor (dirt, dust, sand, etc.).
- High atmospheric pressure.
- Radiation exposure.
- Extreme high or low temperatures or large temperature fluctuations.
- High vibration, rapid accelerations or decelerations, shock or impact.



Special Applications

Severe operating conditions are present in various applications. Often these operating conditions may involve one or more of the following:

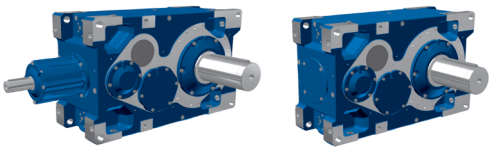
- 24-hour continuous operation at or near full-load motor power or full-load torque.
- A large inertia or moving mass at the reducer out-put with a small gear ratio generating very high load conditions at the reducer's input.
- Vibrations may be common, such as those found when an external drive chain or belt is used.
- A direct gear drive connection to a mixer or fan shaft that produces high oscillating and bending movements as well as high load forces to the reducers drive shaft and internal bearings.
- Vertical reducer configuration is needed & specialreducer options are often necessary.
- Outdoor installation (i.e. humidity and aggressive media, as well as sudden changes in temperature with the possibility of condensation).
- A high degree of environmental protection is required(special sealing, biodegradable oil, special maintenance and servicing needs, low noise, etc.).

NORD has experience with many unique applications and has developed a package of design options in order to meet these requirements. Please consult NORD when selecting a gear unit for special applications.

Storage

Gear units with the long-term storage option are completely filled with lubricant or have VCI corrosion protection agents added to the gear oil. Prior to installation, storage for up to 9 months is possible, so long as the following is observed:

- Store the gear unit in its actual mounting position in accordance with the specified oil fill-level, in a clean, dry and temperature controlled area.
- Avoid temperature fluctuations within the range of -5°C to 50°C (23°F to 122°F) and avoid relative humidity conditions in excess of 60%.
- Protect all exposed or unpainted shaft and flange surfaces with an anti-corrosion agent or grease.
- Store in a location free from shock & vibration, to avoid damage to the bearing elements & raceways.
- Whenever possible, rotate the shafts periodically, to help prevent brinelling of the bearings and to help keep the shaft seals pliable.
- Avoid exposure to the sun or UV light and other aggressive/corrosive materials (ozone gases, solvents, acids, caustic solutions, salts, radioactivity, etc.
- For storage longer than 9 months, Please contact NORD to ensure proper protection.



Industrial Gear Unit Selection

Inquiry For

❒ Drive / Gear Unit Selection

❒ Drawing*) of of gear unit type _____

❍ PDF dim. sheet ❍ 2D DXF ❍ 3D STEP

❒ Other _____

Customer

Company _____

Contact Person _____

Phone _____

Mail _____

End User _____

Application Data

Industry / Industrial Sector[1)] _____

Application[1)] _____

Quantity _____ Country _____

Operation Time [hr/day]

❍ ≤ 0.5 hrs. ❍ 0.5 - 10 hrs. ❍ > 10 hrs.

Switch on Time [%]

For an observation period of 1 hour _____ %

Peak loads / start-ups [number / hr] _____ per hr.

Environmental Parameters

Place of installation

❒ small room (v ≥ 0.5 m/s) or (v ≥ 1.65 ft/s)

❒ large room or hall (v ≥ 1.5 m/s) or (v ≥ 4.95 ft/s)

❒ outdoors (v ≥ 4.0 m/s) or (v ≥ 13.1 ft/s)

❍ Shaded from sun

❍ Not shaded from sun

Ambient Conditions

❒ Clean (e.g. food industry)

❒ Dusty ❍ industrial dust

❍ fibrous dust (e.g. grain)

❍ cement, coal, stone quarry

ATTENTION: If dust is from cement, coal or stone, Taconite shaft seals are mandatory! ⚠

❒ Dry

❒ Wet ❍ fresh water

❍ salt water

❒ Corrosive (e.g. chemistry industry)

❒ Other _____

Ambient Temperature ❍ °C or ❍ °F

normal _____ min _____ max _____

Altitude above sea level [m] _____ **or [ft]** _____

Gearbox Load Data

Input Speed n1 [rpm]

normal _____ min _____ max _____

Output Speed n2 [rpm] or Ratio*)

n2: normal _____ min _____ max _____

i: target _____ min _____ max _____

Installed power at input P1 [❍ kW / ❍ HP] _____

Operating torque at output M2 [❍ kNm / ❍ lb-in]

normal _____ min _____ max _____

Operating factor [fbmin]

target _____ ❍ according to customer specification

❍ according to NORD reccomendation[1)]

with reference to ❍ motor power / motor torque

❍ operating power / operating torque

Direction of rotation and load direction at output

(solid shaft: with view towards shaft end)

(hollow shaft: with view from customer shaft)

❒ one direction

❍ CW

❍ CCW

with view on shaft position ❍ A2 ❍ B2

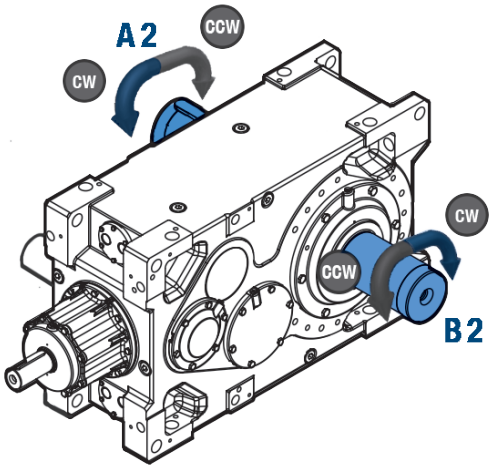
❍ pulsating load (e.g. crankshaft drive)

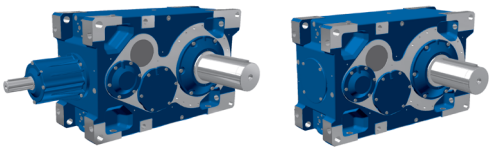
❒ both directions

❍ one load direction (e.g. hoist)

❍ both load directions

❍ both load directions, alternating load with less than one entire revolution at output





Gearbox Load Data (ctd.)

Machine Shaft Bearing

❒ two bearings, gear unit transmits only torque

❒ Other, please specify _____

Axial and Radial Forces

At input: FA = _____

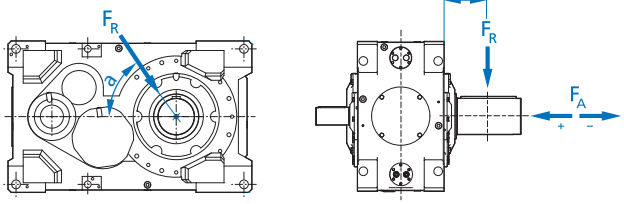
FR = _____ x = _____ α = _____

At output: FA_1 = _____

FA_2 = _____

FR_1 = _____ x = _____ α = _____

FR_2 = _____ x = _____ α = _____



Requested bearing lifetime acc. to DIN 281 [h]

L10h _____ h (basic rating life) or

Lhna _____ h (modified rating life)

❒ on installed power ❒ on operating power

Basic Gearbox Parameters

Type

❒ helical (SK..207, SK..307) ❒ bevel (SK..407, SK..507)

Mounting Position *), 2)

❒ M1/M3 ❒ M5

❒ M2 ❒ M6

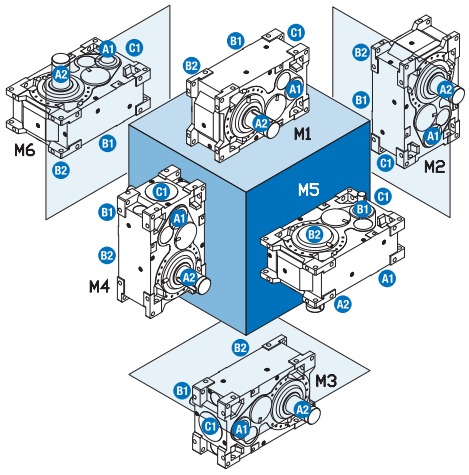
❒ M4

Shaft Positions*)

❒ A1 ❒ A2

❒ B1 ❒ B2

❒ C1



Basic Gearbox Parameters (ctd.)

Type of Output Shaft

❒ Solid shaft with keyway (V)

❒ Hollow shaft with keyway (A)

❍ with cover (H) ❍ without cover

❍ with fixing kit (B) ❍ without fixing kit

❒ Hollow shaft with Shrink Disc (AS)

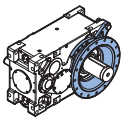
❍ with cover (ASH) ❍ without cover (AS)

❒ Other _____

Drive Unit / Gear Unit Attachement to Application*)

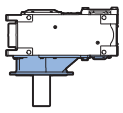
❒ Foot

❒ Output Flange



❍ block flange / B14 with thread (F)

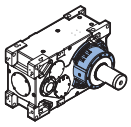
❍ collared flange / B5 with through holes (FK)



❍ Agitator version with increased bearing distance (VL2)

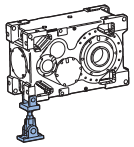
❍ Agitator version, with increased bearing distance, oil drip disc & leakage display (VL3)

❍ Agitator flange, with increased bearing distance, true drywell solution with forced lubrication & protective tube (VL4)

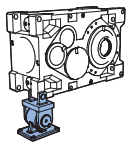


❍ Agitator with no flange increased bearing distance, true drywell solution with forced lubrication & protective tube (VL6)

❒ Torque Support



❍ Standard (D)



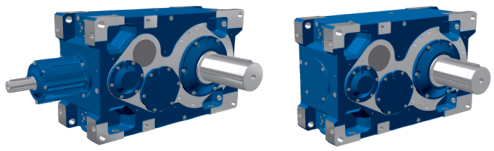
❍ Elastic (ED)

❒ Motor swing base[3] (MS..) with torque support

❒ Motor base frame[3] (MF..)

❒ Other _____

❒ Supplied by NORD ❒ Not supplied by NORD



Industrial Gear Unit Selection

Mandatory Gearbox Parameters

Air Breather

❒ NORD recommendation

❒ Metal filter (standard) ❒ Cellulose filter

❒ Desiccant breather ❒ Pressure vent plug

Oil Level Control

❒ Screw plug (standard) ❒ Oil level sight glass

❒ Oil dip stick ❒ Oil level indicator

Oil Drain

❒ Screw plug (standard) ❒ Oil drain cock

Requested Shaft Seal

❒ NORD recommendation

❒ Sealing rigns (standard) ❒ Taconite

ATTENTION: If dust is from cement, coal or stone, Taconite shaft seals are mandatory! ⚠

Painting Specification

❒ NORD recommendation

❒ F2.0 (standard) ❒ Other _____

Color of Top Coat

❒ RAL 5010 ❒ RAL 7031 ❒ Other _____

Optional Gearbox Parameters*)

Backstop

❒ Backstop (R) at shaft position ❍A1 ❍B1

Auxilliary Drive

❒ Auxilliary drive (WX) at shaft position ❍A1 ❍B1

Type (If known) _____

Pre-Stage Gear Unit

❒ Pre-stage gear unit (WG) at shaft position ❍C1 ❍A1 ❍B1

Type (If known) _____

Brake (holding brake only)

❒ Drum brake ❒ Disc Brake

Brake torque _____

At shaft position ❍C1 ❍A1 ❍B1 ❍A2 ❍B2

Monitoring Sensors

❒ Pt100 in oil sump

❒ Pt100 for bearings

❒ Other, please specify _____

_____

Vibration Sensors

❒ SPM nipples / vibration

Couplings *)

Coupling at Input Shaft

❒ Torsionally flexible (e.g. jaw coupling KTR Rotex)

❒ Hydraulic (e.g. Transfluid KRG)

❒ Other _____

❒ Supplied by NORD ❒ Not supplied by NORD

Coupling at Output Shaft

❒ Torsionally flexible (e.g. pin & bush KTR Revolvex KX-D)

❒ Torsionally rigid (e.g. gear coupling KTR GEARex)

❒ Other _____

❒ Supplied by NORD ❒ Not supplied by NORD

Lubrication*)

Lubrication System

❒ NORD recommendation

❒ Splash lubrication (standard)

❒ Forced / pressure lubrication

❍ LC (upper bearings) ❍ LCX (bearings + gears)

❍ With motor pump

❒ 1-phase

❒ 3-phase

Voltage _____

❍ With flange pump at shaft position ❒ 1 ❒ 2

❒ Full oil level with oil tank

Type of Oil / Gear Unit to Operate With

❒ NORD recommendation

❒ Mineral CLP oil (standard)

❒ Synthetic CLP PG oil

❒ Synthetic CLP HC (PAO) oil

❒ Viscosity class ISO VG

❍ 220 (standard) ❍ 320 ❍ _____

(Gear unit will usually be delivered without oil)

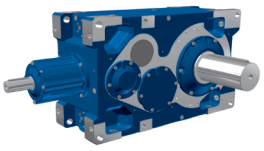
Oil Heater

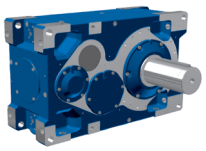
❒ Screw plug immersion heater (OH)

❍ 1-phase ❍ 3-phase

❍ voltage _____

Industrial Gear Unit Selection





NORD DRIVESYSTEMS

Motor / Drive Type

Drive Type

❒ 3-phase motor

❒ Other _____

Frequency Inverter Operation

❒ Yes ❒ No

❒ 50Hz characteristic ❒ 87 Hz characteristic

❒ Other _____

(Please specify rotation speed rage min/max under Gearbox Load Data, input speed.)

Motor

❒ IEC ❒ NEMA size: _____

❒ Supplied by NORD ❒ Not supplied by NORD

(If delivered by NORD, please specify exact motor type & options)

Motor Mount

❒ IEC/NEMA motor adapter

❒ B3 (foot) ❒ B5 (flange)

❒ Other _____

Cooling*)

Permissable Cooling

	Approved	Not Approved
Fan	❒	❒
At shaft position	❍ 0 ❍ 1	❍ 2
Cooling Coil (CC)	❒	❒
External oil/air cooler (CS2)	❒	❒
External oil/water cooler (CS1)	❒	❒

Type of cooling water

❍ Sea water

❍ Pond water

❍ Other _____

Cooling water temperature _____ °C

Explosion Protection

Explosion protection required ❒ Yes ❒ No

❒ ATEX zone/category _____

temperature class/max service temp. _____

❒ Other _____

*) data necessary for drawing request

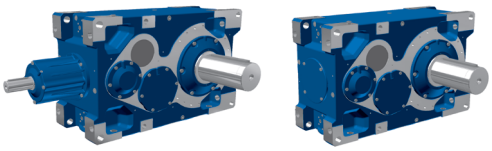
1) see G1050 ⇨ 🕮 32 - 36

2) see G1050 ⇨ 🕮 38

3) see G1050 ⇨ 🕮 71

Further Information

Sketch



Gear Unit Selection Procedure

Selecting a MAXXDRIVE™ gear unit requires three fundamental steps.

1. Pre-selection

A variety of options or methods are provided to aid in the pre-selection.

1.1 Input Power Method (⇨🕮 18).
1.2 Output Torque Method (⇨🕮 20).
1.3 Variable Output Torque Method (⇨🕮 22).

Standard Selection Criteria

The standard or default selection criteria are defined as follows:

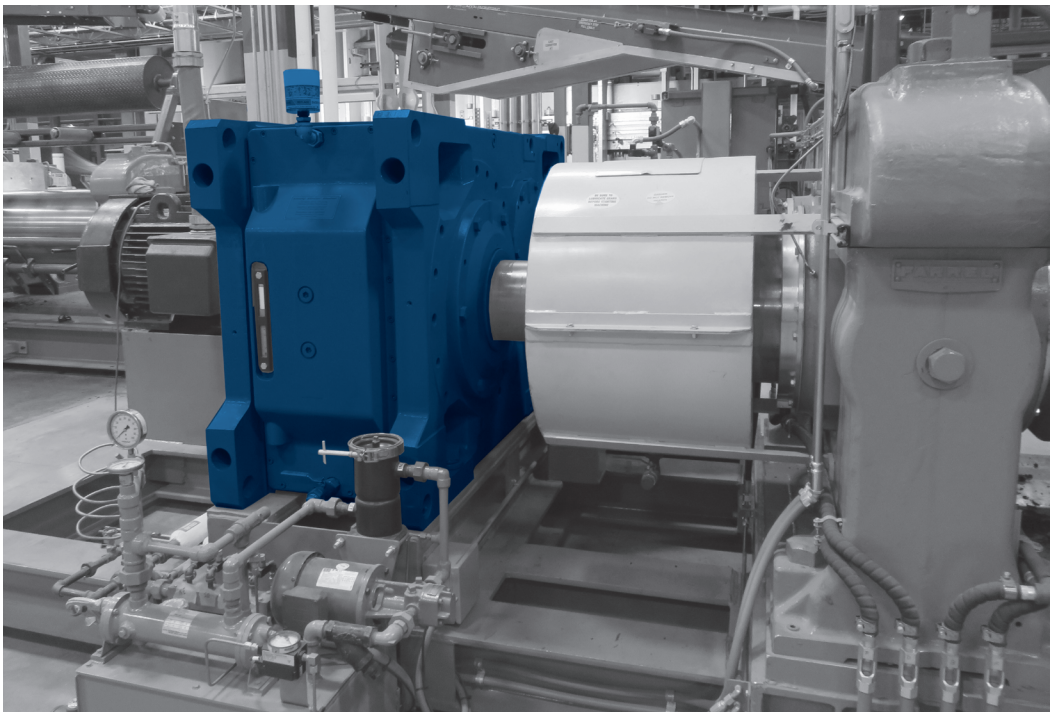
- Ambient temperature: 20°C (68 °F) or 40°C (104°F)
- Ambient air condition: large open area with good air circulation and convection cooling; sustained ambient air velocity approaching $V_L \approx 4.92$ ft/s (1.5 m/s).
- Installation foundation: flat and level steel sub-construction.
- Installation altitude: ≤ 3280 ft (1000 m) above sea level.
- Mounting position: horizontal (⇨🕮 38).
  - M1 is standard for 2-stage Parallel and 3-stage Right-Angle gear units.
  - M3 is standard for 3-stage Parallel and 4-stage Right-Angle gear units.
- Lubrication method: oil-splash lubrication.

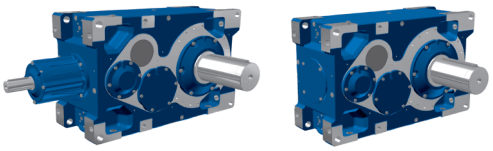
2. Check of peak load conditions (⇨🕮 23).

3. Check of the thermal power capacity ⇨🕮 25).

Our selection procedure accounts for variations in ambient temperature and air conditions, installation altitude, mounting position, lubrication method, and thermal power capacities.

⚠ **WARNING** ⚠
To assure proper reducer lubrication and cooling during operation, consult NORD when operating input speed requirements exceed 1800 rpm or are below 1000 rpm.





1.1 Pre-selection: Input Power Method

The selection of the gear reducer is based upon the known Input Power (P_1).

1. **Determine if the nominal input speed (n_{1N}) will be 1000, 1200, 1500 or 1800 rpm.**

⚠ **IMPORTANT NOTE** ⚠
The reducer power ratings tables are based upon typical input speeds of 1000, 1200, 1500 & 1800 rpm. For other input speeds between 1000-1800 you may make a selection based on the (1.2) Output Torque Method found on page ⇨🕮 20.

2. **Record the required output speed (n_2) or required ratio (i_{req}) of the gear reducer. Calculate (i_{req}) if (n_2) is known, or calculate (n_2) if (i_{req}) is known.**

$$i_{req} = \frac{n_{1N}}{n_{2N}} \text{ or ... } n_2 = \frac{n_{1N}}{i_{req}}$$

3. **Record the required input power (P_1). The required input power (P_1) may also be calculated as follows, if one knows the required output speed (n_2) and required reducer output torque (M_2).**

$$P_1 = \frac{M_2 \times n_{2N}}{63025 \times \eta_N} \text{ (for hp) or } P_1 = \frac{M_2 \times n_{2N}}{9.55 \times \eta_N} \text{ (for kW) where...}$$

η_N =nominal gear reducer efficiency (⇨🕮 30)

4. **Determine the Operating Service Factor (f_B) from the table on pages ⇨🕮 32 - 36.**

⚠ **WARNING** ⚠
Consult NORD if uncertain about what operating service factor (f_B) is required and in cases where a lower service factor than shown in the table on page ⇨🕮 32 is desired.

5. **Determine the Input Factor (f_M) from, page ⇨🕮 30. This factor will help account for possible torque fluctuations from the type of prime mover.**

6. **Calculate the required rated power (P_N) for the gear reducer as follows:**

$$P_N = P_1 \cdot f_B \cdot f_M$$

7. **Utilize the ratings tables to select a gear unit and gear ratio, in accordance to the input power (P_1) and the required gear ratio (i_{req}) or output speed (n_{2N}).**

Parallel shaft gear units ⇨🕮 85 – 142
Right-angle gear units ⇨🕮217 – 274

(1.1) Pre-selection - Example Equation:

When the following information is given:

P_1 = 373 kW (known input power)
n_{1N} = 1800 rpm (input speed; step 1)
n_2 = 80 rpm (required output speed)

Calculated:

$$i_{req} = \frac{n_{1N}}{n_2} = \frac{1800}{80} = 22.5 \text{ (required ratio)}$$

Pre-selection Example Application:

Mixer; homogenous materials - Duty Cycle = 5-10 hours daily (⇨🕮 33)

Service factors - f_B			
Application	Load Duration		
	Up to 5 hrs per day	5-10 hrs per day	Over 10 hrs per day
MIXERS			
for homogeneous material	–	1.35	1.40

f_B = 1.35 (service factor)

Input Factor (takes into account the prime mover) (⇨🕮 30)

f_M	Type of Prime Mover
	Electric motors Hydro motors Turbines
	1

Calculated:

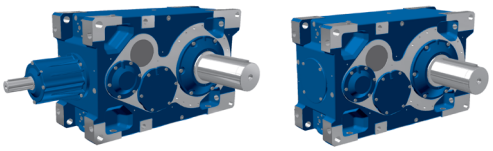
$P_N = P_1 \cdot f_B \cdot f_M$ or $P_N = 373 \cdot 1.35 \cdot 1.0$

Therefore P_N = 503.5 kW

Use this number and the required ratio calculation to look at the Ratings section in order to decide on the proper sized gear unit.

In this case a 22.5 ratio with 503.5 kW with an input speed of 1800 rpm and an 80 rpm output speed would lead you to choose a 11307 (found on page ⇨🕮 92) based on comparing our calculations and the highlighted numbers from the example below.

Nom. Ratio i_N	Nominal Input Speed n_{1N} [rpm]	Nominal Output Speed n_{2N} [rpm]	SK 7207/ SK 7307 Rated Power P_N [kW]	SK 8207/ SK 8307 Rated Power P_N [kW]	SK 9207/ SK 9307 Rated Power P_N [kW]	SK 10207/ SK 10307 Rated Power P_N [kW]	SK 11207/ SK 11307 Rated Power P_N [kW]	SK 12207/ SK 12307 Rated Power P_N [kW]	SK 13207/ SK 13307 Rated Power P_N [kW]	SK 14207/ SK 14307 Rated Power P_N [kW]	SK 15207/ SK 15307 Rated Power P_N [kW]
22.4	1000	45	114	136	187	216	344	509	706	---	1,262
	1500	67	170	203	280	325	515	763	1,059	---	1,893
	1200	54	136	163	224	260	412	610	847	---	1,515
	1800	80	204	244	337	390	618	915	1,271	---	2,272



1.2 Pre-selection: Output Torque Method

The selection of the gear reducer is based upon the required Reducer Output Torque (M_2).

1. Determine the nominal input speed (n_{1N}).

> ⚠ **IMPORTANT NOTE** ⚠
>
> The reducer ratings tables are based upon input speeds of 1000, 1200, 1500 & 1800 rpm.

2. Record the required output speed (n_2) or required ratio (i_{req}) of the gear reducer. Calculate (i_{req}) if (n_2) is known, or calculate (n_2) if (i_{req}) is known.

$$i_{req} = \frac{n_{1N}}{n_{2N}} \text{ or ... } n_{2N} = \frac{n_{1N}}{i_{req}}$$

3. Record the required reducer output torque (M_2). The required reducer output torque (M_2) may also be calculated as follows, if one knows the required output speed (n_{2N}) and required input power (P_1).

$$M_2 = \frac{P_1 \times 63025 \times \eta_N}{n_{2N}} \text{ (for hp) or } M_2 = \frac{P_1 \times 9.55 \times \eta_N}{n_{2N}} \text{ (for kW) where...}$$

η_N =nominal gear reducer efficiency (⇨🕮 30)

4. Determine the Operating Service Factor (f_B) from the table on pages ⇨🕮 32 - 36.

> ⚠ **WARNING** ⚠
>
> Consult NORD if uncertain about what operating service factor (f_B) is required and in cases where a lower service factor than shown in the table on page 32 is desired.

5. Determine the Input Factor (f_M) from, page 30. This factor will help account for possible torque fluctuations from the type of prime mover.

6. Calculate the required Rated Torque (M_{2max}) for the gear reducer as follows:

$$M_{2MAX} = M_2 \cdot f_B \cdot f_M$$

7. Utilize the ratings tables to select a gear unit and gear ratio, in accordance to the reducer output torque (M_2) and the required gear ratio (i_{req}) or output speed (n_2).

Parallel shaft gear units ⇨🕮 85 – 142
Right-angle gear units ⇨🕮 217 – 274

(1.2) Pre-selection - Example Equation:

When the following information is given:

M_2 = 45.19 kNm (required output torque)
n_{1N} = 1800 rpm (input speed; step 1)
n_2 = 80 rpm (required output speed)

Calculated:

$$i_{req} = \frac{n_{1N}}{n_2} = \frac{1800}{80} = 22.5 \text{ (required ratio)}$$

Pre-selection Example Application:

Mixer; homogenous materials - Duty Cycle = 5-10 hours daily (⇨🕮 33)

Service factors - f_B			
Application	Load Duration		
	Up to 5 hrs per day	**5-10 hrs per day**	**Over 10 hrs per day**
MIXERS			
for homogeneous material	–	1.35	1.40

f_B = 1.35 (service factor)

Input Factor (takes into account the prime mover (⇨🕮 30)

f_M	**Type of Prime Mover**
	Electric motors Hydro motors Turbines
	1

f_M = electric motor = 1.0 (input factor)

Calculated:

$M_{2max} = M_2 \cdot f_B \cdot f_M$ or $M_{2max} = 45.19 \text{ kNm} \cdot 1.35 \cdot 1.0$

Therefore M_{2max} = 61.01 kNm

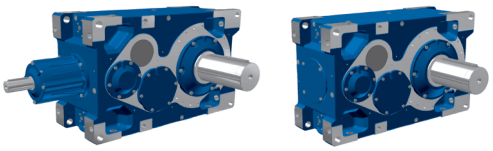
Use this number and the required ratio calculation to look at the Ratings section in order to decide on the proper sized gear unit.

In this case a 22.5 ratio with a 61.01 kN-m torque requirement would lead you to select an 11307 (found on page ⇨🕮 92) which is based on comparing our calculations to the highlighted numbers from the example below.

Nom. Ratio i_N	SK 7207/ SK 7307 Output Torque M_{2max} [kNm]	SK 8207/ SK 8307 Output Torque M_{2max} [kNm]	SK 9207/ SK 9307 Output Torque M_{2max} [kNm]	SK 10207/ SK 10307 Output Torque M_{2max} [kNm]	SK 11207/ SK 11307 Output Torque M_{2max} [kNm]	SK 12207/ SK 12307 Output Torque M_{2max} [kNm]	SK 13207/ SK 13307 Output Torque M_{2max} [kNm]	SK 14207/ SK 14307 Output Torque M_{2max} [kNm]	SK 15207/ SK 15307 Output Torque M_{2max} [kNm]
20	24.3	28.5	39.7	46.2	72.6	108.4	150.5	---	255.0
22.4	24.3	29.0	40.0	46.3	73.5	108.8	151.0	---	270.0
25	24.3	28.7	40.3	47.0	76.0	109.2	151.2	---	273.5
28	24.3	29.5	40.6	47.2	76.1	109.6	151.3	---	276.0

SK ..207 Units **SK ..307 Units**

Engineering



1.3 Pre-selection: Variable Output Torque Method

In many gear reducer applications, the required reducer output torque varies from one time interval to the next, over the typical operational duty cycle. In these situations variable torque loads, at constant speed operation, can be converted to an average torque in order to make a selection.

1. **Determine if the nominal input speed (n_{1N}) will be 1000, 1200, 1500 or 1800 rpm.**
2. **Record the Required Output Speed (n_{2N}) or Required Ratio (i_{req}) of the gear reducer.**
3. **Calculate i_{req} if n_{2N} is known, or calculate n_{2N} if i_{req} is known.**

$$i_{req} = \frac{n_{1N}}{n_{2N}} \text{ or ... } n_{2N} = \frac{n_{1N}}{i_{req}}$$

4. **Calculate the Average Reducer Output Torque (M_{2avg}) as follows:**

$$T_{2avg} = \sqrt[6.6]{\left((T_{2.1})^{6.6} \cdot \frac{t_1}{t_t}\right) + \left((T_{2.2})^{6.6} \cdot \frac{t_2}{t_t}\right) + ... + \left((T_{2.n})^{6.6} \cdot \frac{t_n}{t_t}\right)}$$

where:

M_{2avg}	=	Average reducer output torque
$M_{2.1}$ ... $M_{2.n}$	=	Required reducer output torque at a specific time interval.
t_1 ... t_n	=	Specific time interval.
t_t	=	Total duty cycle time, representing all torque and time intervals

5. **Determine the Operating Service Factor (f_B) from the table on pages ⇨🕮 32 - 36.**
6. **Determine the Input Factor (f_M) from, page ⇨🕮 30. This factor will help account for possible torque fluctuations from the type of prime mover.**
7. **Calculate the required rated torque (M_{2max}) for the gear reducer as follows:**

$$M_{2max} = M_{2avg} \cdot f_B \cdot f_M$$

8. **Use the ratings tables to select a gear unit and gear ratio, in accordance to the average reducer output torque (M_{2avg}) and the required gear ratio (i_{req}) or output speed (n_{2N}) requirements.**

Parallel shaft gear units ⇨🕮 85 – 142
Right-angle gear units ⇨🕮 217 – 274

9. **Using the formula shown, calculate the average input power (P_{1avg}).**

$$P_{1avg} \geq \frac{M_{2avg} \times n_{1N}}{63025 \times i_N \times \eta_N} \text{ (hp) or } P_{1avg} \geq \frac{M_{2avg} \times n_{1N}}{9.55 \times i_N \times \eta_N} \text{ (kW)}$$

where:

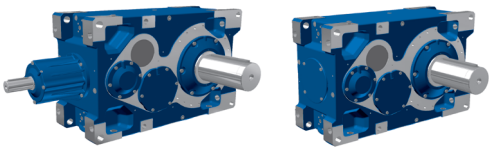
P_{1avg}	=	Average required input power for a specific time interval.
M_{2avg}	=	Average required reducer output torque
n_{1N}	=	Nominal (motor) input speed
η_N	=	Nominal gear reducer efficiency (⇨🕮 30)

10. **Using the formula shown, calculate the Required Input Power ($P_{1.N}$) for each portion of the duty cycle. Then determine the maximum ($P_{1.N}$) value.**

$$P_{1.N} \geq \frac{M_{2.N} \times n_{1N}}{63025 \times i_N \times \eta_N} \text{ (hp) or } P_{1.N} \geq \frac{M_{2.N} \times n_{1N}}{9.55 \times i_N \times \eta_N} \text{ (kW)}$$

where:

M_{2avg}	=	Average reducer output torque
$M_{2.1}$ ... $M_{2.n}$	=	Required reducer output torque at a specific time interval.
t_1 ... t_n	=	Specific time interval.
t_{ges}	=	Total duty cycle time, representing all torque and time intervals



11. Select a motor power (P_1) that is suited to deliver both the average required power (P_{1avg}), calculated in Step 9, and the maximum required power ($P_{1.N}$), determined in Step 10.

> ⚠ **IMPORTANT NOTE** ⚠
>
> Utilizing the motor's overload capacity may not be necessary to select the motor power based upon the maximum power required for the duty cycle. Consult your motor supplier and/or NORD if help is needed.

> ⚠ **IMPORTANT NOTE** ⚠
>
> When trying to determine the motor power, it is common practice to round the calculated power to the next available standard motor power.

12. Using the selected motor power (P_1) from Step 11, verify that the Rated Torque (M_{2max}) of the selected gear reducer is larger than the value calculated below.

$$M_{2max} \geq \frac{P_1 \cdot i_{ges} \cdot 63205}{n_1} \cdot \eta_N \cdot f_B \cdot f_m \text{ (lb-in)} \quad \text{or} \quad M_{2max} \geq \frac{P_1 \cdot i_{ges} \cdot 9.55}{n_1} \cdot \eta_N \cdot f_B \cdot f_m \text{ (kNm)}$$

where:
P_1 = Motor power determined in step 16
i_{ges} = Exact gear ratio for the gear unit selected in step 16
n_{1N} = Nominal (motor) input speed
η_N = Nominal gear reducer efficiency (⇨📖 30)

2. Check of peak load conditions

After the initial pre-selection of the MAXXDRIVE™ gear reducer, the peak load conditions must be determined at the reducer output, and compared to the reducer rated torque, in order to verify that the gear unit has a sufficient mechanical rating or capacity.

The peak load torque is the highest possible torque that may occur in the application. When the equipment builder or machine designer has determined the peak operating loads, these conditions should be considered during the selection verification process. Otherwise peak load torques estimates need to be made.

Methods for Caclulating Gear Reducer Torque

Method 1 : Peak load at the output is known.

If the machine designer or equipment builder knows the peak load developed at the reducer output, the reducer selection can be verified by applying the following formula.

$$M_{2max} \geq M_{2peak} \cdot f_S$$

where:
M_{2max} = Gear reducer rated torque
M_{2peak} = Peak load torque at the reducer output
f_s = Peak load factor (⇨📖 30)

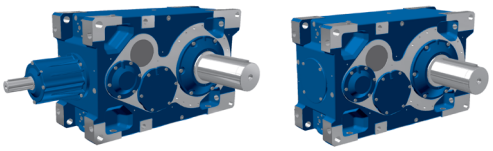
Method 2 : Peak load at the input is known.

If the machine designer or equipment builder knows the peak load developed at the reducer input, the reducer selection can be verified by applying the following formula.

$$M_{2max} \geq M_{1peak} \cdot i_{ges} \cdot f_S$$

where:
M_{2max} = Gear reducer rated torque
M_{1peak} = Peak load torque at the reducer input
i_{ges} = Exact gear ratio for the selected gear unit
f_s = Peak load factor (⇨📖 30)

> ⚠ **IMPORTANT NOTE** ⚠
>
> When brakes are supplied between the motor and the gear reducer, or when brake motors are utilized, the peak torque developed by the braking action must also be considered.



2. Check of peak load conditions (ctd.)

Method 3 : Estimating peak load torque at the output

Often, the peak load torque at the reducer output is not known. When this is the case and estimate of the peak load torque can be made from the known input shaft loads and by taking into consideration the Start-Up Factor (f_{AN}).

$$M_{2max} \geq \frac{P_1 \cdot i_{ges} \cdot 63205}{n_1} \cdot \eta_N \cdot f_{AN} \cdot f_s \text{ (lb-in)} \quad \text{or} \quad M_{2max} \geq \frac{P_1 \cdot i_{ges} \cdot 9.55}{n_1} \cdot \eta_N \cdot f_{AN} \cdot f_s \text{ (kNm)}$$

where:
M_{2max} = gear reducer rated torque
P_1 = Motor power determined in step 1.3 - 11
i_{ges} = exact gear ratio for the gear unit selected in step 1.3 - 11
n_1 = input speed to the gear unit
η_N = nominal gear reducer efficiency (⇨📖 30)
f_{AN} = start -up factor (⇨📖 30)
f_S = peak load factor (⇨📖 30)

(2.) Check of Peak Load - Example Equation:

We must make sure the gearbox is able to handle the load that will be applied when in operation.

When the following information is given:

Reversing Application with
M_{2peak} = 45.19 kN-m (peak load at reducer output)
f_S = 10x per hour (peak load frequency on page ⇨📖 30)

f_s	Direction of load	Load peaks per hour 6 - 20
	one-directional	0.63
	reversible	0.87

Calculated:

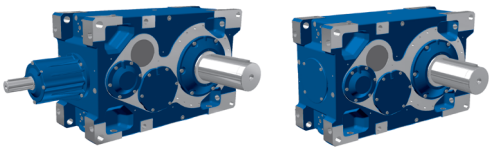
$M_{2max} \geq M_{2peak} \cdot f_S$ or... 73.5 kN-m ≥ 45.19 kN-m · 0.87 or... 73.5 kN-m ≥ 39.31 kN-m = ☑

This drive selection is acceptable based on the equation outcome

Nom. Ratio i_N	SK 7207/ SK 7307 Output Torque M_{2max} [kNm]	SK 8207/ SK 8307 Output Torque M_{2max} [kNm]	SK 9207/ SK 9307 Output Torque M_{2max} [kNm]	SK 10207/ SK 10307 Output Torque M_{2max} [kNm]	SK 11207/ SK 11307 Output Torque M_{2max} [kNm]	SK 12207/ SK 12307 Output Torque M_{2max} [kNm]	SK 13207/ SK 13307 Output Torque M_{2max} [kNm]	SK 14207/ SK 14307 Output Torque M_{2max} [kNm]	SK 15207/ SK 15307 Output Torque M_{2max} [kNm]
20	24.3	28.5	39.7	46.2	72.6	108.4	150.5	---	255.0
22.4	24.3	29.0	40.0	46.3	73.5	108.8	151.0	---	270.0
25	24.3	28.7	40.3	47.0	76.0	109.2	151.2	---	273.5
28	24.3	29.5	40.6	47.2	76.1	109.6	151.3	---	276.0

SK ..207 Units SK ..307 Units

Max Torque (M_{2max}) From Step 1.2 = 73.5 kNm



3. Check of Thermal Power Capacity

Before finalizing the gear reducer selection, one must check to make certain the reducer's thermal power capacity (P_{wg}) exceeds the input power (P_1) or motor power (P_M) being delivered to the gear unit.

$P_{wg} > P_1$ and $P_{wg} > P_M$

⚠ WARNING ⚠

If the gear drive's thermal power capacity is limited there will not be sufficient thermal energy dispersion and the gear unit can overheat causing significant internal damage.

The thermal power capacity of the gear reducer is influenced by a variety of factors. These additional factors must be considered in making the final gear reducer selection:

- Ambient temperature
- Heat transfer to/from adjoining surfaces
- Mechanical loading of the gear unit
- Size and type of gear unit
- Ratio
- Input speed
- Type of lubrication used
- Oil fill level
- Operation duty cycle
- If there is an additional oil circulating system
- If an oil cooling system is utilized
- Ambient conditions and altitude

When to Consult NORD

Consult NORD for a detailed application review if two or more of the following conditions apply:

- Upright mounting position (M2, M4).
- Input power P_1 > 670 hp (500 kW)
- Input speeds n_1 > 1800 rpm or n_1 < 1000 rpm
- Increased ambient temperature > 104°F (40°C)
- In ATEX environments

Consult NORD for recommendations if there are special installation conditions that may affect the operating temperature of the unit. Examples include, but are not limited to, the following:

- Installation in an area with limited air flow
- Exposure to high ambient conditions or heat radiation
- Exposure to solar heating

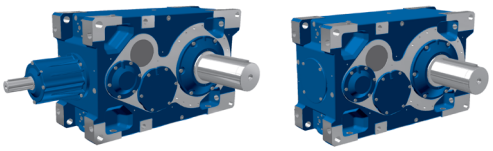
⚠ WARNING ⚠

For installation outdoors, adequate shading from the sun must be provided.

Standard Installation & Operating Conditions

The thermal power rating of the gear unit is always defined at standard installation and operating conditions as follows.

- Ambient temperature: 20°C (68 °F), 40°C (104 °F)
- Ambient air condition: large open area with good air circulation and convection cooling; sustained ambient air velocity approaching $V_L \approx 4.9$ ft/s (1.5 m/s).
- Installation foundation: flat and level steel sub-construction.
- Installation altitude: ≤ 3280 ft (1000 m) above sea level.
- Mounting position: horizontal (⇨📖 38).
  - M1 is standard for 2-stage Parallel and 3-stage Right-Angle gear units.
  - M3 is standard for 3-stage Parallel and 4-stage Right-Angle gear units.
- Lubrication method: oil-splash lubrication.
- If water cooled, cooling water inlet temperature: 20°C (68 °F)



Cooling Selection Methods

Cooling system options are recommend as shown in the selection table under the column labeled “CS”.

Column “CS”	Recommended Cooling System Option
–	Indicates that no additional measures are required so long as standard installation and operating conditions are applicable.
Fan*	Fan cooling with shaft-driven fan.
CC	Integrated water cooling coil.
A,B,…H	Letter designates suggested size of either the oil/water or oil/air external cooling system.

* Utilizing fan cooling as opposed to an integrated water cooling coil generates a higher thermal power capacity.

Method 1 : Applying the Reducer Rating Tables

The thermal ratings tables provide the following thermal power capacities that are based upon a 68°F (20°C) temperature condition, along with standard installation and operating conditions. For other temperatures and multiplication factors please see the table on page ⇨🕮 30.

- Convection cooling only ($P_{t0.20}$) & ($P_{t0.40}$).
- Convection + shaft-driven fan ($P_{t0.20} + P_{tF.20}$) & ($P_{t0.40} + P_{tF.40}$).
- Convection + integrated water coil ($P_{t0.20} + P_{tC.20}$) & ($P_{t0.40} + P_{tC.20}$).

⚠ **WARNING** ⚠
Published thermal ratings are based upon standard installation and operating conditions. When this is not the case the thermal power capacity must be verified through direct calculation or analysis.

Method 2 : Direct Calculation or Analysis

The published thermal power ratings are always defined at standard installation and operating conditions. When this is not the case the thermal power capacity must be verified through direct calculation or analysis.

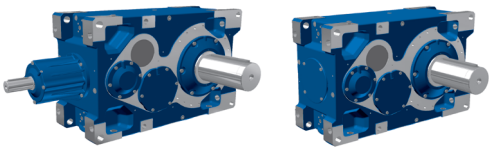
To avoid gear reducer overheating, one must check to make certain the reducer’s thermal power capacity (P_{wg}) exceeds the input power (P_1) or motor power (P_M) being delivered to the gear unit.

$P_{wg} > P_1$ and $P_{wg} > P_M$

By utilizing the gear reducer operating factors listed on pages ⇨🕮 30 - 31, one can determine the thermal power capacity of the gear reducer, for the type of cooling option that is used or specified.

Aside from relying on pure convection or air cooling, NORD can provide a variety of cooling options to increase the thermal capacity of the gear reducer, including:

- The addition of a shaft-driven fan (⇨🕮 82)
- The addition of an internal water cooler (⇨🕮 78)
- The addition of an oil/water cooling system (⇨🕮 81)
- The addition of an oil/air cooling system (⇨🕮 81)



Case 1: Convection Cooling Only

$P_{wg} = P_{t0.20} \cdot f_v \cdot f_H \cdot f_{ED}$ or $P_{t0.40} \cdot f_v \cdot f_H \cdot f_{ED}$

P_{wg} = Calculated Thermal power rating with convection cooling.
$P_{t0.20}$ = Base Thermal power capacity with convection cooling @ 20°C.
$P_{t0.40}$ = Base Thermal power capacity with convection cooling @ 40°C.
f_v = Ambient air velocity factor.
f_H = Installation altitude factor.
f_{ED} = Duty cycle factor

Case 2: Convection Cooling + Shaft-Driven Fan

$P_{wg.F} = P_{wg} + P_{tF.20} \cdot f_H$ or $P_{wg.F} = P_{wg} + P_{tF.40} \cdot f_H$

$P_{wg.F}$ = Calculated thermal rating with an added shaft fan.
P_{wg} = Calculated Thermal power rating with convection cooling.
$P_{tF.20}$ = Additional thermal power capacity from fan @ 20°C.
$P_{tF.40}$ = Additional thermal power capacity from fan @ 40°C.
f_H = Installation altitude factor.

Case 3: Convection Cooling + Integrated Water Coil

$P_{wg.C} = P_{wg} + P_{tC.20}$

$P_{wg.C}$ = Calculated thermal rating with an added water coil.
P_{wg} = Calculated Thermal power rating with convection cooling.
$P_{tC.20}$ = Additional thermal power capacity from water coil @ 20°C.

Case 4: Convection Cooling + Shaft-Fan + Integrated Water Coil

$P_{wg.FC} = P_{wg.F} + P_{tC.20}$

$P_{wg.FC}$ = Calculated thermal rating with an added shaft, fan and water coil.
$P_{wg.F}$ = Calculated thermal rating with an added shaft fan.
$P_{tC.20}$ = Additional thermal power capacity from water coil @ 20°C.

⚠ *IMPORTANT NOTE* ⚠

For help in determining the size of the oil cooler or the cooling power capacity (Q_{CS1} or Q_{CS2}) of the oil/air cooler, see separate instructions on ⇨🕮 81.

Case 5: Convection Cooling + Oil/Water Cooling System

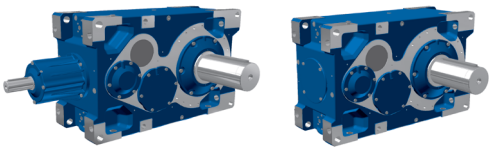
$$P_{wg.CS1} = P_{wg} + \left(\frac{Q_{CS1}}{(1-\eta_n)} \cdot f_w \right)$$

$P_{wg.CS1}$ = Calculated thermal rating with a water cooling system.
P_{wg} = Thermal power rating with convection cooling.
Q_{CS1} = Cooling power capacity of the oil/water cooling system
η_N = Nominal gear reducer efficiency (⇨🕮 30)
f_w = Cooling water temperature factor.

Case 6: Convection Cooling + Oil/Air Cooling System

$$P_{wg.CS2} = P_{wg} + \left(\frac{Q_{CS2}}{(1-\eta_n)} \cdot f_L \right)$$

$P_{wg.CS2}$ = Calculated thermal rating with an air cooling system.
P_{wg} = Thermal power rating for convection cooling.
Q_{CS2} = Cooling power capacity of the oil/air cooling system
η_N = nominal gear reducer efficiency (⇨🕮 30)
f_L = Fan cooling air temperature factor.



Radial Overhung Load [F_R]

A radial overhung load force (F_R) exists when a resultant force is applied to the reducer shaft, by transferring power at a right angle, through an externally mounted power transmission device, such as a belt pulley, chain sprocket, or gear.

The overhung load ratings are…

- to be applied at the midpoint of the shaft.
- to be applied without thrust loads.
- based upon the least favorable loading direction & least favorable direction of rotation.

When calculating the applied radial overhung load force (F_{Rvorh}), corresponding power transmission factor (f_z) must be taken into account.

$$F_{OHL} = \frac{2 \cdot M_2}{d_O} \cdot f_Z \cdot f_B \leq F_R$$

F_{OHL} = calculated radial load force on the reducer output shaft.
F_R = permissable radial overhung load force [kN]
M_2 = output torque of gear reducer [Nm]
d_O = effective pitch diameter of external power transmission device [mm]
f_Z = power transmission factor
f_B = operating service factor

Transmission Component	Power Transmission Factor [fz]	Notes
Gear	1.1	17 teeth or less
Gear	1.2	18 teeth or more
Chain sprocket	1.4	13 teeth or less
Chain sprocket	1.2	13 to 20 teeth
Chain sprocket	1.0	20 teeth or more
Timing belt pulley	1.5	---
V-belt pulley	1.7	---
Flat belt pulley	2.5	---

Axial/Thrust Load [F_A]

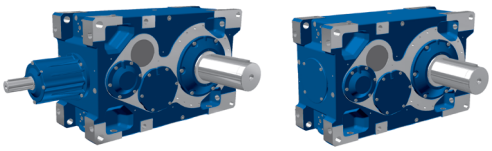
Loads that are directed towards or away from the gearbox, along the axis of the shaft, are called thrust or axial loads (F_A).

Axial force ratings are

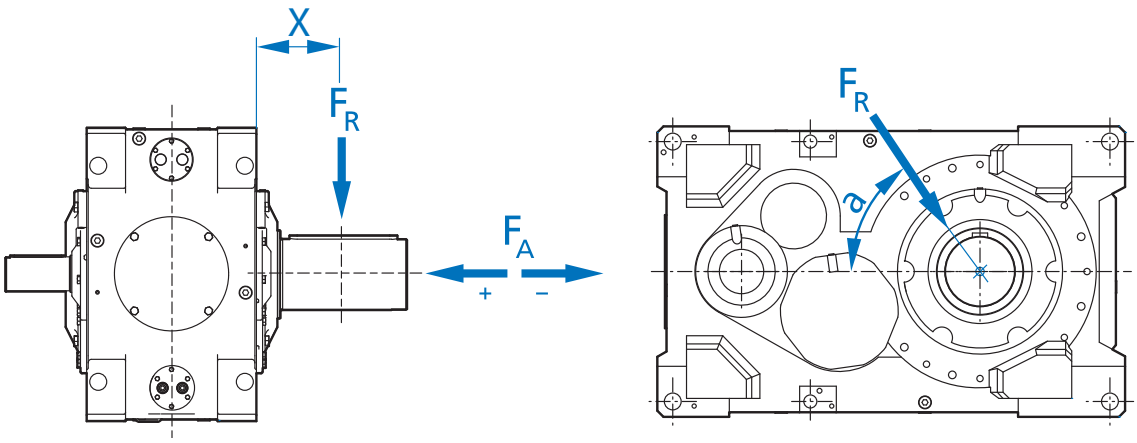
- to be applied without radial loads.
- based upon the least favorable loading direction and least favorable direction of rotation.

⚠ IMPORTANT NOTES ⚠

- Consult NORD if the applied radial load force is not at the center of the output shaft or if evaluation of an input shaft overhung load is required.
- Both (F_R) and the permissible rated thrust/axial load force (F_A) are based upon an operating service factor condition f_B=1.0.
- In cases where the reducer is subjected to high inertia loads, shock load conditions, suddenly applied forces or long periods of operation, (> 5 hours/day) an appropriate operating service factor f_B >1 must be considered.
- When checking applied radial/axial load forces the appropriate service factor must be applied.
- Please consult NORD if an overhung load and axial load are applied simultaneously.
- Higher radial and axial forces may be possible. For a precise calculation, please state the direction and location of the applied force/s, the desired rotation of the shaft, and the required operating life.



Radial Load Ratings

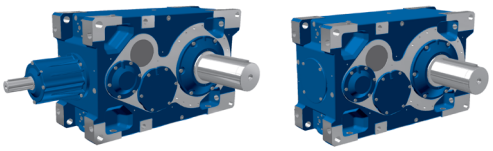


Parallel Gear Unit Overhung Load Ratings

Gear Unit	x [mm]	F_R [kN] ..207 < 125 rpm	..307 < 70 rpm	..307 < 20 rpm
SK 7..07	147	36	54	67
SK 8..07	147	34	53	64
SK 9..07	195	114	111	112
SK 10..07	195	109	95	97
SK 11..07	210	86	71	72
SK 12..07	235	115	144	152
SK 13..07	283	154	160	160
SK 14..07	273	160	160	160
SK 15..07	275	102	155	160

Right-Angle Gear Unit Overhung Load Ratings

Gear Unit	x [mm]	F_R [kN] ..407 < 125 rpm	..407 < 70 rpm	..507 < 20 rpm
SK 7..07	147	44	48	67
SK 8..07	147	44	47	63
SK 9..07	195	120	114	111
SK 10..07	195	116	105	95
SK 11..07	210	99	79	63
SK 12..07	235	131	147	148
SK 13..07	283	160	160	160
SK 14..07	273	160	160	160
SK 15..07	275	160	160	160



Efficiency for Calculations η_N

The stated efficiency is only to be used for calculation purposes and does not correspond to the actual efficiency of the gear unit. The factor applies to a normal oil level and the installation positions M1 or M3. An increased oil level causes reduced efficiency.

η_N	Calculated Efficiency			
	SK..207	SK..307	SK..407	SK..507
	0.975	0.960	0.955	0.935

Input factors f_M (Primary Mover)

Additional torque fluctuations due to the type of input machinery are taken into account with the input factor.

f_M	Type of Prime Mover		
	Electric motors Hydro motors Turbines	Piston machines 4-6 cylinder. Degree of inequality 1: 100 to 1 : 200	Piston machines 1 - 3 cylinder. Degree of inequality 1: 100
	1	1.25	1.5

Start-up factors f_{AN}

The start-up factor must be taken into account if the torque applied to the drive during start-up is not known. If the ratio between the start-up torque and the input torque is known. this may be used in the calculation.

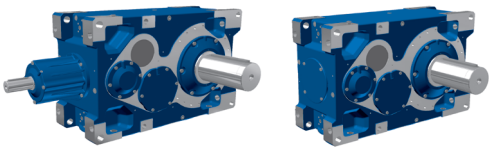
f_{AN}	Type of drive running					
	Direct drive	Soft start	Frequency inverter	Star/ Delta	Fluid coupling	Fluid coupling with delay chamber
	3	1.8	1.5...2.0 [1)]	1.3	2	1.6

[1)] Depending on the start-up ramp setting

Peak load factor with reversing factor f_S

The peak load factor takes into account the frequency and direction of peak loads.

f_S	Direction of load	Load peaks per hour					
		1 - 5	6 - 20	21 - 40	41 - 80	81 - 160	> 160
	one-directional	0.50	0.63	0.70	0.79	0.88	1.05
	reversible	0.70	0.87	0.97	1.09	1.22	1.46



Air movement factors f_V

The airspeed over the gearbox influences the dissipation of heat by convectional methods.

f_v	Air movement over gearbox		
	small room, little air movement air speed = 0.5 m/s (1.64 ft/s)	large room with free air movement air speed = 1.5 m/s (4.9 ft/s)	continuous strong air movement air speed = 4 m/s (13.1 ft/s)
	0.72	1.00	1.28

Installation altitude factors f_H

The installation altitude factor takes into account the lower heat dissipation of the gearbox at higher altitudes

f_H	Installation altitude above sea level				
	0m / 0 ft	1.000 m / 3.280 ft	2.000 m / 6.560 ft	3000 m / 9.840 ft	4.000 m / 13.120 ft
	1.00	0.96	0.91	0.87	0.83

Input factors f_M (Primary Mover)

Additional torque fluctuations due to the type of input machinery are taken into account with the input factor.

f_M	Type of Prime Mover		
	Electric motors Hydro motors Turbines	Piston machines 4-6 cylinder. Degree of inequality 1: 100 to 1 : 200	Piston machines 1 - 3 cylinder. Degree of inequality 1: 100
	1	1.25	1.5

Switch-on time factor f_{ED}

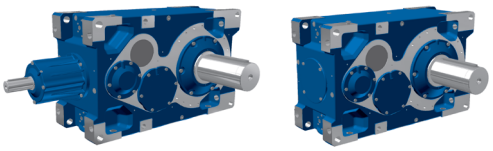
With lower switch-on times, the heat generated by the gearbox decreases.

f_{ED}	Switch-on time				
	100 %	80 %	60 %	40 %	20 %
	1.00	1.08	1.19	1.37	1.75

Cooling air temperature factor f_L

Takes into account the possibility of heat dissipation at various cooling air temperatures

f_L	Air temperature at fan inlet					
	15°C (59°F)	20°C (68°F)	25°C (77°F)	30°C (86°F)	35°C (95°F)	40°C (104°F)
	1.09	1.00	0.91	0.82	0.73	0.64



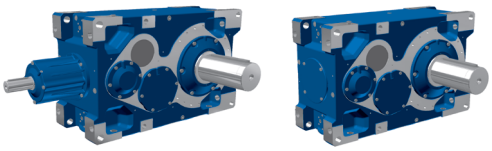
Service Factors f_B

The operating factor provides the minimum recommended service factor for various applications and takes into account the usual conditions for the particular application listed. If the operating service factor is known for the application, this should be used. If no values are available for the application, refer to the tables below or consult with NORD to determine a suitable service factor.

Service factors - f_B			
Application	Load Duration		
	Up to 5 hrs per day	5-10 hrs per day	Over 10 hrs per day
WASTE WATER			
Concentrator (central drive)	1.15	1.25	1.50
Filter presses	1.00	1.30	1.50
Vacuum filter	1.15	1.30	1.50
Flocculation agitator	0.80	1.00	1.30
Aerator	2.00	2.00	2.00
Circular aerator	–	1.80	2.00
Brush aerator	–	–	2.00
Screening plant	1.00	1.20	1.30
Circular and longitudinal scrapers	1.00	1.30	1.50
Collectors	1.15	1.25	1.50
Sludge collectors	1.25	1.25	1.25
Pre-concentrator	–	1.10	1.30
Sludge compressor	1.50	1.50	1.50
Achimedian screw water pumps	–	1.30	1.50
Water turbines	–	–	2.00
Settling tanks	1.00	1.00	1.25
Chemical substance loaders	1.25	1.25	1.25
Dehydration screens	1.50	1.50	1.50
Slag crushers	1.50	1.50	1.50
Slow or fast mixers	1.50	1.50	1.50
PUMPS			
Impeller pumps	1.15	1.35	1.45
Displacement pumps			
1 Piston	1.35	1.50	1.80
> 1 Piston	1.20	1.40	1.50
EXCAVATORS			
Bucket chain	–	1.60	1.60
Tippers	–	1.30	1.50
Tracklaying vehicles	1.20	1.60	1.80
BUCKET WHEELS			
as pick-ups	–	1.70	1.70
for original material	–	2.20	2.20
Cutting heads	–	2.20	2.20
Slewing gear [1]	–	1.40	1.80
DREDGERS			
Conveyors	1.25	1.25	1.50
Cutting head drives	2.00	2.00	2.00
Screens	1.75	1.75	2.00
Stackers	1.25	1.25	1.50
Hoisting winches	1.25	1.25	1.50

Service factors - f_B			
Application	Load Duration		
	Up to 5 hrs per day	5-10 hrs per day	Over 10 hrs per day
MINING			
Crushers	1.55	1.75	2.00
Vibrators and screens	1.55	1.75	2.00
Slewing gear	–	1.55	1.80
BUCKET WHEEL EXCAVATORS			
Grinding machine for sand	1.25	1.25	1.50
Hammer mills	1.75	1.75	2.00
CHEMICAL INDUSTRY			
PLASTICS			
Extruders	–	–	1.60
Extruders (plastics)	–	1.40	1.60
- with variable speed	1.50	1.50	1.50
- with fixed speed	1.75	1.75	1.75
Batch kneaders	1.75	1.75	1.75
Continuous mixers	1.50	1.50	1.50
Mixing plant	1.25	1.25	1.25
Calenders	1.50	1.50	1.50
Blower units	1.50	1.50	1.50
Coating	1.25	1.25	1.25
Films	1.25	1.25	1.25
Pre-shredder	1.50	1.50	1.50
Bars	1.25	1.25	1.25
Sheets	1.25	1.25	1.25
Tubes	1.25	1.25	1.50
RUBBER			
Extruders (rubber)	–	1.50	1.80
Rubber kneader	–	1.80	1.80
Continuous mixers	1.50	1.50	1.50
Refiners - two-cylinder	1.50	1.50	1.50
Rubber rollers (2 in series)	1.55	1.75	2.00
Rubber rollers (3 in series)	–	1.50	1.75
Heating rollers	1.35	1.50	1.75
Rubber calenders	–	1.50	1.50
Calenders	–	1.65	1.65
Cooling drums	–	1.30	1.40
Mills	1.55	1.75	2.00
Sheet rollers	1.55	1.75	2.00
Refining rollers	1.55	1.75	2.00

[1] **Select according to the maximum torque**

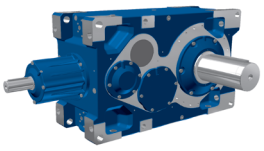


Service Factors

Service factors - f_B			
Application	Load Duration		
	Up to 5 hrs per day	5-10 hrs per day	Over 10 hrs per day
CHEMICAL INDUSTRY (CTD.)			
MIXERS			
for homogeneous material	–	1.35	1.40
for inhomogeneous material	1.40	1.60	1.70
AGITATORS FOR AGITATED MATERIALS			
with uniform density	1.00	1.30	1.50
with varying density	1.20	1.50	1.65
with uneven gassing	1.40	1.60	1.80
Toasters	1.00	1.30	1.50
Centrifuges	1.00	1.20	1.30
IRON SMELTING METAL PRODUCTION AND PROCESSING			
Sheet turning device	1.00	1.00	1.20
Block press	1.00	1.20	1.20
Reelers	–	1.60	1.60
Cooling bed scrapers	–	1.50	1.50
Sheet pusher	1.50	1.50	1.50
Winders / Coiling machines	–	1.60	1.75
Cutting rollers	1.55	1.75	2.00
Wire-pulling machines	1.35	1.50	1.75
Sheet metal bending machines [1]	–	1.00	1.00
ROLL-ALIGNING MACHINES			
Roller conveyors - continuous	–	1.50	1.50
Roller conveyors - intermittent	–	2.00	2.00
Tube reversing	–	1.80	1.80
SHEARING			
General	2.00	2.00	2.00
Continuous cutting [1]	–	1.50	1.50
Cranked cutting [1]	1.00	1.00	1.00
Continuous casting drivers [1]	–	1.40	1.40
ROLLERS			
Sheet metal reversing	–	2.50	2.50
Sheet slab reversing	–	2.50	2.50
Wire reversing	–	1.80	1.80
Thin sheet metal reversing	–	2.00	2.00
Thick sheet metal reversing	–	1.80	1.80
Roller adjusters	0.90	1.00	–
ENERGY			
Frequency converters	–	1.80	2.00
Water wheels	–	–	1.70
Water turbines	–	–	2.00
Electricity generators	1.00	1.00	1.25

Service factors - f_B			
Application	Load Duration		
	Up to 5 hrs per day	5-10 hrs per day	Over 10 hrs per day
CONVEYOR PLANT			
Bucket conveyors	–	1.40	1.50
Bucket conv. w centrifugal emptying	1.15	1.15	1.25
Conveyor reels	1.40	1.60	1.60
LOADERS			
Plate feeder	1.25	1.25	1.50
Belt feeder	1.15	1.15	1.50
Table feeder	1.00	1.00	1.25
Swivelling loader	1.75	1.75	2.00
Helical loader	1.15	1.25	1.50
Conveyers	–	1.50	1.80
Evenly distributed load	1.15	1.15	1.25
Heavy duty	1.25	1.25	1.50
Unevenly distributed load	1.25	1.25	1.50
Belt conveyors ≤ 100 kW	1.15	1.25	1.40
Belt conveyors > 100 kW	1.15	1.30	1.50
Goods lifts [1]	–	1.20	1.50
Vertical conveyors - other	–	1.50	1.80
Passenger lifts [1]	–	1.50	1.80
Slat conveyors	–	1.25	1.50
Vibrators and screens	1.55	1.75	2.00
Swinging or vibrating conveyors	1.75	1.75	2.00
Escalators	1.15	1.25	1.55
Rail vehicles	–	1.50	–
ELEVATORS			
Loading	1.25	1.25	1.50
Gravity emptying	1.15	1.15	1.25
HOISTING WINCHES [1]			
Heavy duty	1.75	1.75	2.00
Medium duty	1.25	1.25	1.50
Inclined lifts	1.25	1.25	1.50
WOOD INDUSTRY			
GENERAL			
Debarking machines - spindle feed	1.25	1.25	1.50
Main drive	1.75	1.75	1.75
Conveyors - Burners	1.25	1.25	1.50
Main or heavy duty	1.50	1.50	1.50
Main trunk	1.75	1.75	2.00
Sawing, carousel	1.25	1.25	1.50

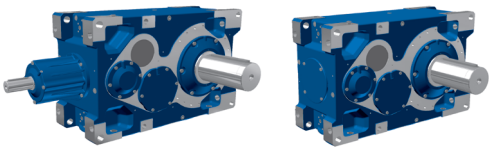
[1] **Select according to the maximum torque**



Service factors - f_B			
Application	Load Duration		
	Up to 5 hrs per day	5-10 hrs per day	Over 10 hrs per day
WOOD INDUSTRY (CTD.)			
CONVEYORS			
Plate	1.75	1.75	2.00
Transfer	1.25	1.25	1.50
CHAINS			
Floor	1.50	1.50	1.50
Green wood	1.50	1.50	1.75
MANUAL SAWING			
Chain	1.50	1.50	1.75
Work driver	1.50	1.50	1.75
Paring cylinder	1.75	1.75	2.00
FEEDS			
Trimming machine	1.25	1.25	1.50
Multiple blades	1.75	1.75	1.75
Cutter	1.25	1.25	1.50
Stacked trunks	1.75	1.75	1.75
Trunk conveyor - ramp with wheels	1.75	1.75	1.75
Trunk tipping device	1.75	1.75	1.75
Planing machine feed	1.25	1.25	1.50
Trunk tipping roller trains	1.50	1.50	1.50
With rollers	1.75	1.75	1.75
Selection table	1.25	1.25	1.50
Roller train with tilting table	1.25	1.25	1.50
POSITIONING PLATFORMS			
Chain	1.50	1.50	1.75
Track	1.50	1.50	1.75
Plate drive	1.25	1.25	1.50
Drives for veneer turning machines	1.25	1.25	1.50
COMPACTORS			
Compactors	2.00	2.00	2.00
CRANES [1] / [2]			
CRANES AND LIFTING GEAR			
Slewing gear [1]	1.00	1.40	1.80
Derricking gear	1.00	1.10	1.40
Bridge trolleys for portal cranes	3.00	3.00	3.00
Bridge trolleys	1.10	1.60	2.00
Lifting gear	1.00	1.10	1.40
Luffing gear	1.00	1.20	1.60

Service factors - f_B			
Application	Load Duration		
	Up to 3 hrs per day	5-10 hrs per day	Over 10 hrs per day
CRANES [2] / [1] (CTD.)			
REPAIR DOCKS			
Main pulley system	2.50	2.50	2.50
Auxiliary pulley system	2.50	2.50	3.00
Arm pulley systems	2.50	2.50	3.00
Yaw drive	2.50	2.50	3.00
Traveling drive	3.00	3.00	3.00
INDUSTRIAL USE			
Main pulley system	2.50	2.50	3.00
Auxiliary pulley system	2.50	2.50	3.00
Bridge cranes	3.00	3.00	3.00
Traveling drive for crane car	3.00	3.00	3.00
MILLS AND DRUMS			
Cooling and drying drums	–	1.50	1.60
Rotary kilns	–	–	2.00
Ball mills	–	–	2.00
Coal mills	–	1.50	1.75
ROTARY MILLS			
Ball and rod mills	2.00	2.00	2.00
Cylindrical ring gear	2.00	2.00	2.00
Helical ring gear	1.50	1.50	1.50
Direct coupling	2.00	2.00	2.00
Cement kilns	1.50	1.50	1.50
Dryers and coolers	1.50	1.50	1.50
FOODSTUFFS INDUSTRY			
Cane sugar production			
Sugar cane knives [1]	–	–	1.70
Sugar cane mills	–	–	1.70
Diced mash	–	–	1.20
Extraction system, cooling machine, boiler	–	–	1.40
Beet washing, cutting machine	–	–	1.50
Beet peeling machine	2.00	2.00	2.00
Oil mills	1.50	1.50	1.50
Mills (low speed)	1.75	1.75	1.75
Kneading machines	1.25	1.25	1.50
Mincing machines	1.25	1.25	1.50
Slicing machines	1.25	1.25	1.50
Crushers and mills	–	–	1.75
Drying drums	–	1.25	1.50

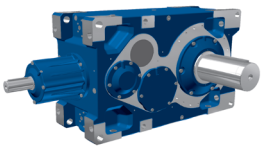
[1] Select according to the maximum torque
[2] Precise categorisation of the load can be carried out e.g. according to FEM1001.



Service Factors

Service factors - f_B			
Application	Load Duration		
	Up to 5 hrs per day	5-10 hrs per day	Over 10 hrs per day
PAPER MACHINES / PAPER AND CELLULOSE INDUSTRY			
all types [3)]	–	1.80	2.00
PULPER DRIVES			
Debarking drums and machines	1.55	1.80	–
Rollers (pick-up. screen suction and screen feed rollers)	–	1.80	2.00
Drying cylinders (roller bearings)	–	1.80	2.00
Calenders (roller bearings)	–	1.80	2.00
Filters (Pressure and suction filters)	–	1.80	2.00
Chopping machines and shredders	1.55	1.75	2.00
Jordan mills	–	1.50	1.75
Presses (bark, felt, gluing and suction resses)	–	–	1.75
Rolling devices	–	–	1.75
HYDRAPULPERS			
Washing filters	–	–	1.50
Yankee cylinders (dryers)	1.25	1.25	1.25
Agitators (kneaders)	1.50	1.50	1.50
Agitators for pure liquor	1.25	1.25	1.25
Paring cylinder	2.00	2.00	2.00
Debarking machines (mechanical)	2.00	2.00	2.00
Refiners	1.50	1.50	1.50
Paper shredders	1.25	1.25	1.25
Calenders	1.25	1.25	1.25
Shredders	2.00	2.00	2.00
chip loaders	1.50	1.50	1.50
Patination cylinders	1.25	1.25	1.25
CONVEYORS			
Chips. bark. chemicals	1.25	1.25	1.25
Trunk (incl. table)	2.00	2.00	2.00
Sleeve presses	1.25	1.25	1.25
Millers	2.00	2.00	2.00
Cylindrical tools	1.25	1.25	1.25

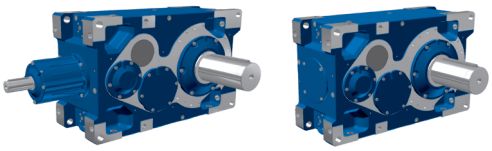
Service factors - f_B			
Application	Load Duration		
	Up to 5 hrs per day	5-10 hrs per day	Over 10 hrs per day
HYDRAPULPERS (CTD)			
DRYERS			
Paper machine	1.25	1.25	1.25
with conveyors	1.25	1.25	1.25
Embossing machines	1.25	1.25	1.25
Extrusion presses	1.50	1.50	1.50
Pulp refiners	1.50	1.50	1.50
Kiln drives	1.50	1.50	1.50
Paper rollers	1.25	1.25	1.25
Plates	1.50	1.50	1.50
Presses - mat and suction	1.25	1.25	1.25
Kneading machines	2.00	2.00	2.00
Vacuum pumps	1.50	1.50	1.50
Flat reelers	1.25	1.25	1.25
SCREENS			
Chips	1.50	1.50	1.50
Rotating screens	1.50	1.50	1.50
Vibrating screens	2.00	2.00	2.00
Glue presses	1.25	1.25	1.25
Super calender	1.25	1.25	1.25
Concentrator (AC motor)	1.50	1.50	1.50
Concentrator (DC motor)	1.25	1.25	1.25
Washing machine (AC motor)	1.50	1.50	1.50
Washing machine (DC motor)	1.25	1.25	1.25
Coiling and uncoiling holders	1.25	1.25	1.50
Surface rinsing machines	1.25	1.25	1.25
PUMPS			
Pumps	–	1.40	1.50
Centrifugal /Impeller pumps	1.15	1.35	1.45
Piston pumps (1 cylinder)	1.35	1.50	1.80
Piston pumps (multiple cylinders)	1.20	1.40	1.50
Archimedian pumps	–	1.25	1.50
Rotary pumps (gear pumps. vane pumps. positive displacement rotary pumps)	–	–	1.25



Service factors - f_B			
Application	Load Duration		
	Up to 5 hrs per day	5-10 hrs per day	Over 10 hrs per day
AGITATORS AND MIXERS			
Agitators for liquids	1.00	1.25	1.50
Agitators for liquids (with suspended solids)	1.25	1.25	1.50
Agitators for liquids (variable density)	1.20	1.50	1.65
Agitators for solid media (inhomogeneous materials)	1.40	1.60	1.70
Agitators for solid media (homogeneous materials)	–	1.35	1.40
CABLE RAILWAYS			
Materials cableways	–	1.40	1.50
Pendulum cableways	–	1.60	1.80
Ski tows	–	1.30	1.40
Circulating cableways	–	1.40	1.60
Fixed cable cableways			
SCREENS			
Air washers	1.00	1.00	1.25
Rotary screen - stone or gravel	1.25	1.25	1.50
Mobile screens with water input	1.00	1.00	1.25
TEXTILE MACHINERY			
General	1.25	1.25	1.50
VENTILATORS AND FANS			
Centrifugal fans	1.00	1.00	1.25
Pressure ventilated fans	1.25	1.25	1.25
Push-pull counterflow fans	1.50	1.50	1.50
Industrial and mining fans	1.50	1.50	1.50
Blowers (axial and radial)	1.50	1.50	1.50
Centrifugal blowers	1.00	1.00	1.25
Rotary blowers	1.25	1.25	1.50
Rotary vane blowers	1.25	1.25	1.50
Heat exchangers	1.50	1.50	1.50
Cooling tower fans	–	–	2.00
Dry cooling towers	–	–	2.00
Wet cooling towers	2.00	2.00	2.00

Service factors - f_B			
Application	Load Duration		
	Up to 5 hrs per day	5-10 hrs per day	Over 10 hrs per day
COMPRESSORS			
Piston compressors	–	1.80	1.90
Rotary compressors	–	1.40	1.50
Radial compressors	–	1.40	1.50
Screw compressors	–	1.50	1.75
Centrifugal compressors	1.25	1.25	1.50
Rotary vane compressors	1.25	1.25	1.50
Multi-cylinder reciprocating piston compressors	1.50	1.50	1.75
Single cylinder reciprocating piston compressors	1.75	1.75	2.00
CEMENT INDUSTRY AND CLAY PROCESSING			
Concrete mixers	1.50	1.50	1.75
Crushers [1]	1.55	1.75	2.00
Rotary kilns	–	–	2.00
Tube mills	–	–	2.00
Separators	–	1.60	1.60
Rolling mills	–	–	2.00
Brick presses	1.75	1.75	2.00
Tile presses	1.75	1.75	2.00
Kneading machines	1.25	1.25	1.50

[1] Select according to the maximum torque



Nomenclature

Parallel Gear Unit		Helical-bevel Gear Unit		Output Torque
2-stage	3-stage	3-stage	4-stage	M_{2max}
SK 7207	SK 7307	SK 7407	SK 7507	25 kNm
SK 8207	SK 8307	SK 8407	SK 8507	30 kNm
SK 9207	SK 9307	SK 9407	SK 9507	40 kNm
SK 10207	SK 10307	SK 10407	SK 10507	50 kNm
SK 11207	SK 11307	SK 11407	SK 11507	75 kNm
SK 12207	SK 12307	SK 12407	SK 12507	110 kNm
SK 13207	SK 13307	SK 13407	SK 13507	150 kNm
SK 14207	SK 14307	SK 14407	SK 14507	190 kNm
SK 15207	SK 15307	SK 15407	SK 15507	250 kNm

Combinations with parallel and bevel gear units

Parallel gear units		Bevel gear units		
Nominal Ratio i_N	5-stage	Nominal Ratio i_N	6-stage	Output Torque M_{2max}
355-1600	SK 7307/4282	450 -1600	SK 7307 / 9032.1	25 kNm
400-1600	SK 8307/4282	500 - 1600	SK 8307 / 9032.1	30 kNm
400-1600	SK 9307/5282	450 - 1600	SK 9307 / 9042.1	40 kNm
450-1600	SK 10307/5282	500 - 1600	SK 10307 / 9042.1	50 kNm
180 - 1600 125 - 160	SK 11307/6282 SK 11307 /7282	200 - 1600 200 - 1600	SK 11307 / 9052.1	75 kNm
180 - 1600 125 - 160	SK 12307 / 7282 SK 12307 / 8282	200 - 1600 200 - 1600	SK 12307 / 9072.1	110 kNm
200 - 1600 125 - 180	SK 13307 / 7282 SK 13307 / 9282	315 - 1600 180 - 280	SK 13307 / 9072.1 SK 13307 / 9082.1	150 kNm
160 - 1600	SK 14307 / 9282	450 - 1600	SK 14307 / 9082.1	190 kNm
250 - 1600 180 - 200 125 - 160	SK 15307 / 8282 SK 15307 / 9282 SK 15307 / 10282	280 - 1600 180 - 250 180 - 250	SK 15307 / 9082.1 SK 15307 / 9086.1 SK 15307 / 9086.1	250 kNm

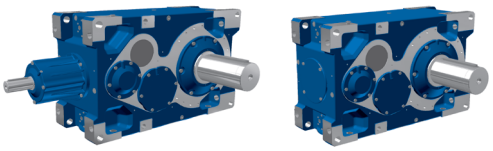
Ordering Example

SK11207 AS H IEC CC 200L/4 BRE

- **BRE** — **Brake Designation**
- **200L/4** — **Motor Designation** (IEC or NEMA)
- **CC** — **Additional Options** (CC, FAN...)
- **IEC** — **Gearbox Types** (IEC, NEMA, MSW, MSF...)
- **H** — **Additional Options** (G, D, H, B...)
- **AS** — **Shaft & Mounting Options** (A, AF, AS, V, L...)
- **2** — **Amount of Stages** (2, 3, 4)
  - 2: 2-Stage Helical gear unit
  - 3: 3-Stage Helical gear unit
  - 4: 3-Stage Helical-bevel gear unit
  - 5: 4-Stage Helical-bevel gear unit
- **11** — **Gearbox Size** (7, 8, 9, 10, 11, 12, 13, 14, 15)

Example Explanation

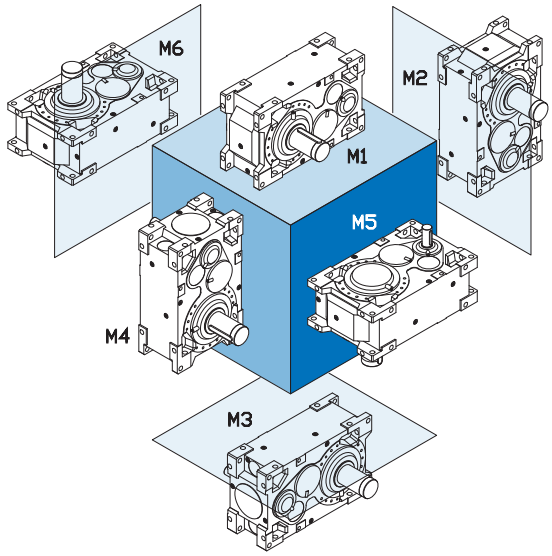
Case Size 11 Gearbox with a 2-Stage Helical gear unit, Hollow Shaft with Shrink disc and Cover, an IEC gearbox type with a Cooling Coil and a 200L/4 Motor that is provided with a brake.



Mounting Position System

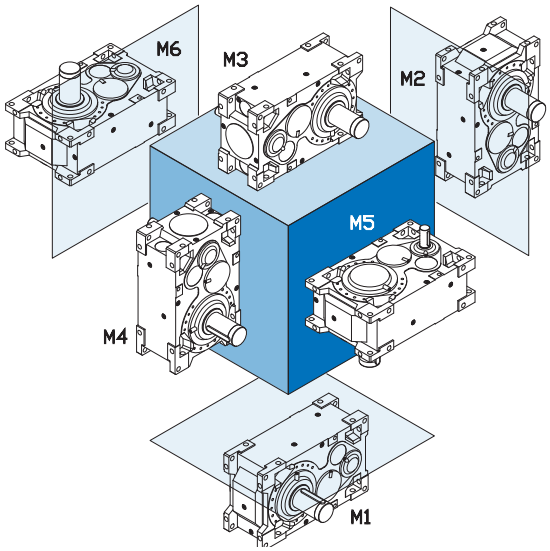
For gear units and gear motors, NORD specifies between six installation positions from M1 to M6 as shown in the following diagrams. The M1 and M3 mounting surfaces vary between the 2 and 3 stage parallel products.

MAXXDRIVE™ 2-Stage Parallel Gear Unit



M1 **2-Stage unit standard Installation**
M2 Output shaft located on upper end of gearbox
M3 3-Stage unit standard installation
M4 Output shaft located on lower end of gearbox
M5 Output shaft facing downwards
M6 Output shaft facing upwards

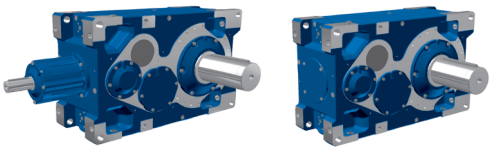
MAXXDRIVE™ 3-Stage Parallel Gear Unit



M1 2-Stage unit standard installation
M2 Output shaft located on upper end of gearbox
M3 **3-stage unit standard installation**
M4 Output shaft located on lower end of gearbox
M5 Output shaft facing downwards
M6 Output shaft facing upwards

Pivoted and Variable Mounting Positions

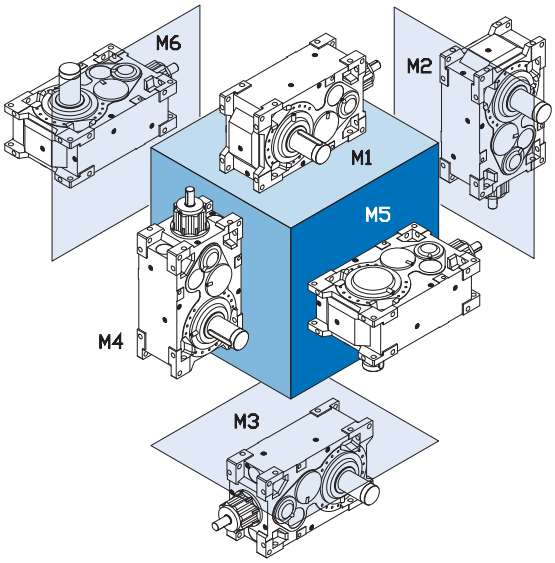
If you have any mounting requirements that vary from the standard positions, please consult NORD.



Mounting Position System

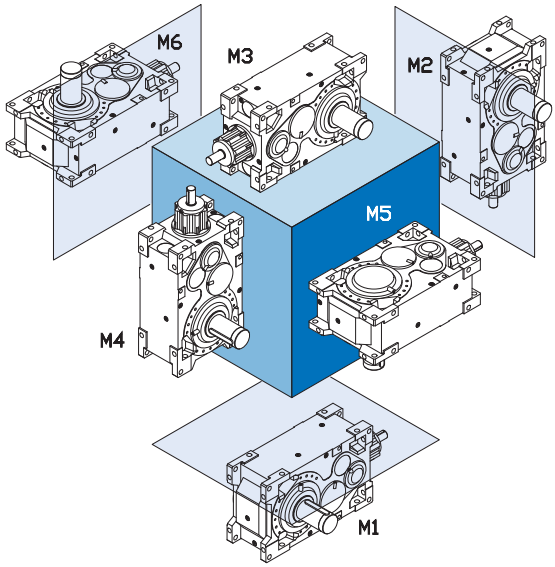
For gear units and gear motors, NORD specifies between six installation positions from M1 to M6 as shown in the following diagrams. The M1 and M3 mounting surfaces vary between the 3 and 4 stage units within the right-angle products.

MAXXDRIVE™ 3-Stage Bevel Gear Unit



M1 **3-Stage unit standard Installation**
M2 Output shaft located on upper end of gearbox
M3 4-Stage unit standard Installation
M4 Output shaft located on lower end of gearbox
M5 Output shaft facing downwards
M6 Output shaft facing upwards

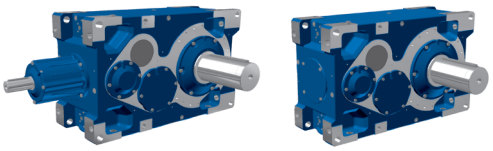
MAXXDRIVE™ 4-Stage Bevel Gear Unit



M1 3-Stage unit standard Installation
M2 Output shaft located on upper end of gearbox
M3 **4-Stage unit standard installation**
M4 Output shaft located on lower end of gearbox
M5 Output shaft facing downwards
M6 Output shaft facing upwards

Pivoted and Variable Mounting Positions

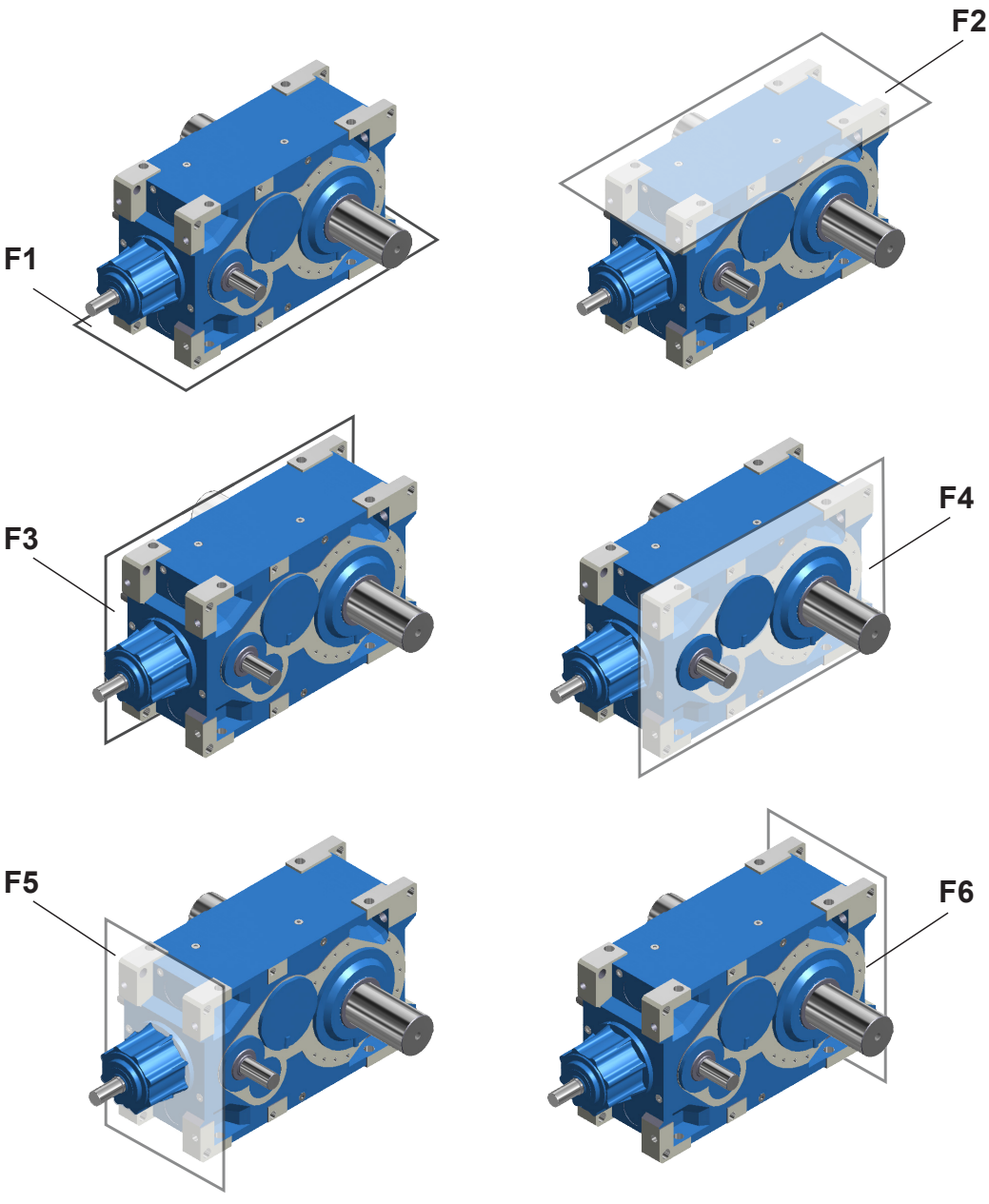
If you have any mounting requirements that vary from the standard positions, please consult NORD.



Mounting Surfaces

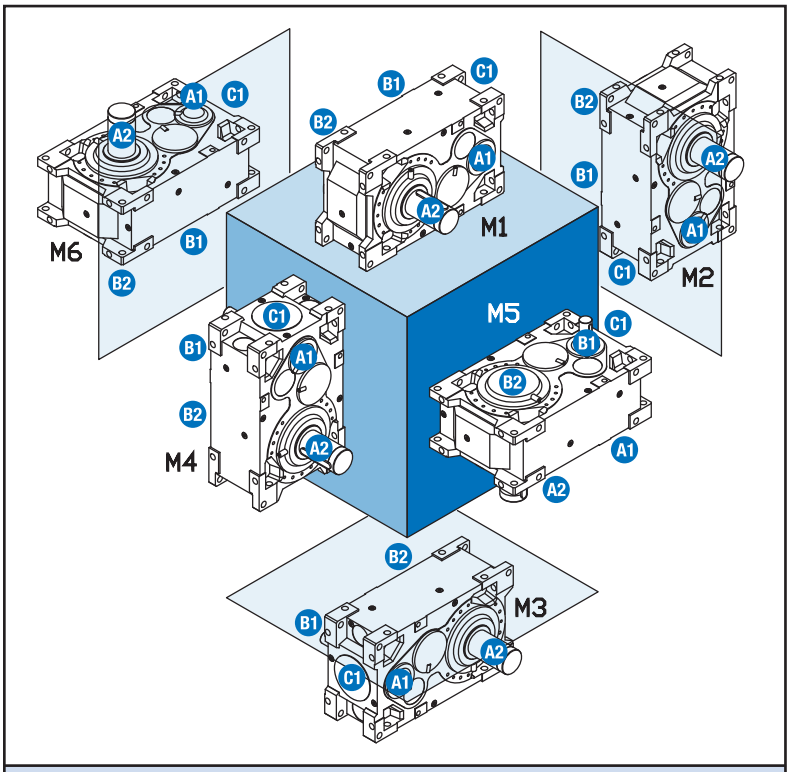
The mounting surface specifies the side on which the gear unit is fixed. Six mounting surfaces are available based on the diagrams below (F1 - F6).

In the following diagram, the mounting surfaces for mounting position M1 are indicated.

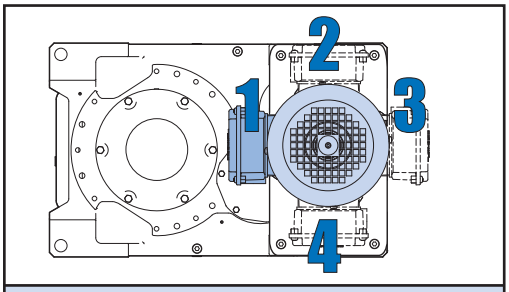


Mounting Configuration

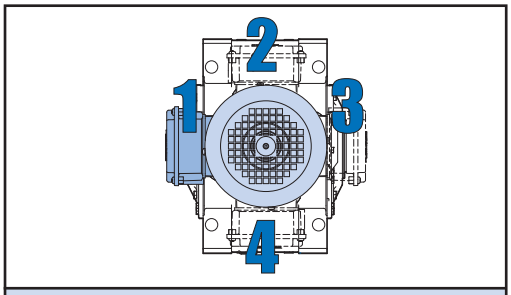
NORD provides gearmotors, speed reducers and motors that can be configured very differently to suit customer needs. When ordering, it is beneficial that the drive be specified exactly the way you want it delivered.



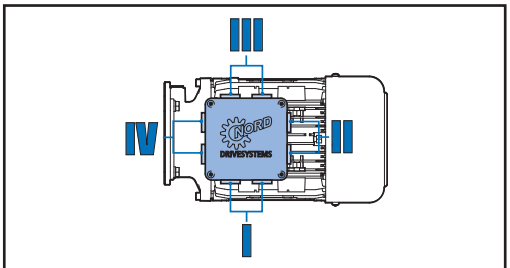
Mounting Configuration M1 - M6
Shaft Configuration A1 - C1 Position of Attachments A1 - C1



Parallel Gear Unit Terminal Box Positions



Right-Angle Gear Unit Terminal Box Positions



Cable Entry Positions

Shaft Configuration

The positions of the required shaft outlets are determined by viewing the gearbox from above in a default horizontal mounting position. M1 is the default (standard) for 2-stage parallel and 3-stage helical-bevel gear units. Mounting position M3 is the default (standard) for 3-stage gear parallel and 4-stage helical-bevel units.

Position of Attachments

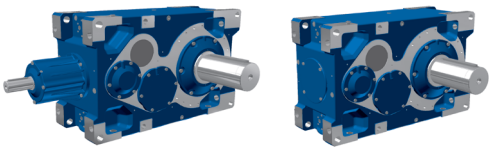
The positions of attached elements such as backstops, fans, flange-mounted pumps, drive flanges, agitator flanges etc. are determined according to the same principle as the shaft positions.

Terminal box and cable entry

In the standard position, the terminal box is on the left hand side looking at the motor from the rear

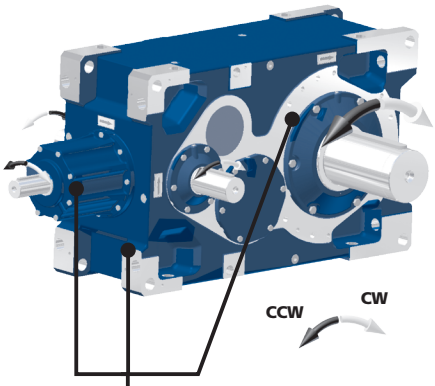
If another arrangement is required, please express during ordering. Whenever ordering the cable entry in position IV please request information from NORD.

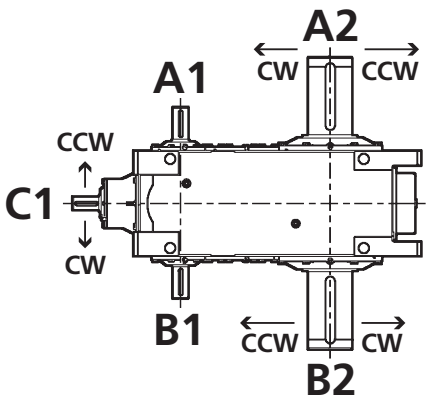
In brake motors between frame size 63 to 132, the cable entry is only available in positions I and III.



Rotation Direction of Input/Output shafts

The direction of rotation for the gearbox shafts are dependant upon the installation position and the shaft configuration.

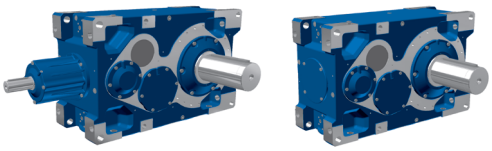




The labels that come standard on the units mark the direction of free rotation in the event that backstops are used.

Installation position[1] M1 Direction of view[1] F2		Rotation Direction of Input			Rotation Direction of Output	
Shaft Positions[1] =>		C1	A1	B1	A2	B2
SK ..207	or	---	CW	CCW	CW	CCW
		---	CCW	CW	CCW	CW
SK ..307	or	---	CW	CCW	CCW	CW
		---	CCW	CW	CW	CCW
SK ..407 (Standard)	or	CW	CW	CCW / R	CW	CCW
		CCW	CCW	CW / R	CCW	CW
SK ..407 (Optional)	or	CW	CCW / R	CW	CCW	CW
		CCW	CW / R	CCW	CW	CCW
SK ..507 (Standard)	or	CW	CW	CCW / R	CCW	CW
		CCW	CCW	CW / R	CW	CCW
SK ..507 (Optional)	or	CW	CCW / R	CW	CW	CCW
		CCW	CW / R	CCW	CCW	CW

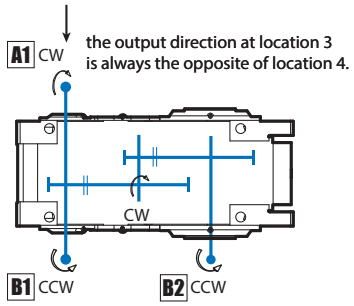
1) Please see ⇨ 38 - 39



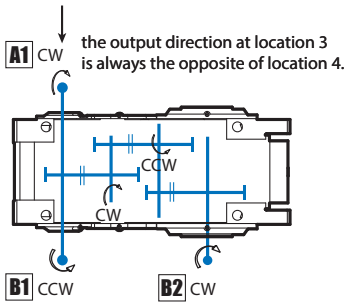
Gear Stage Illustration for Right-Angle MAXXDRIVE™ units

Below is the standard rotation direction of both the Parallel and Right-Angled units. By flipping the bevel gearset on our right-angle gear units, the rotation direction may be reversed.

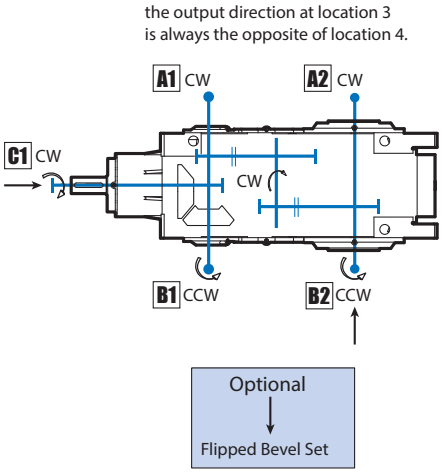
Two-stage Parallel Gear Unit (7207-15207)



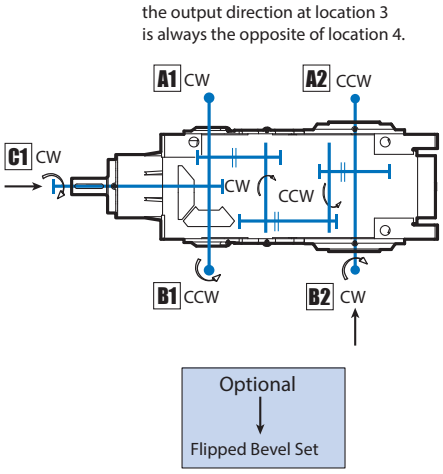
Three-stage Parallel Gear Unit (7307-15307)



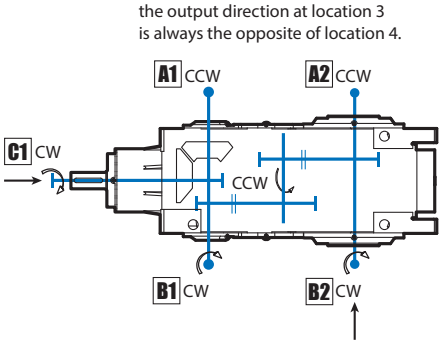
Three-stage Right-Angle Gear Unit (7407-15407)



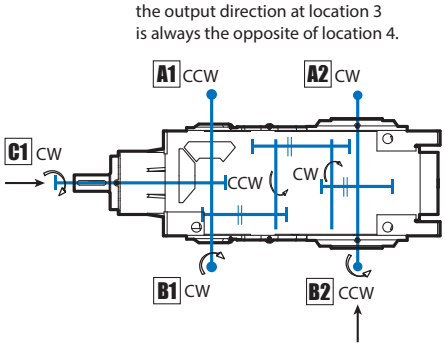
Four-stage Right-Angle Gear Unit (7507-15507)

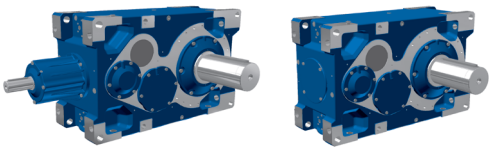


Three-stage Right-Angle Gear Unit (7407-15407)



Four-stage Right-Angle Gear Unit (7507-15507)





Couplings (input and output)

Upon request, NORD can provide a variety of coupling types and styles. In addition to various flexible, fail-safe couplings (Jaw coupling / Bolt coupling) soft-start couplings (fluid couplings), and safety couplings can be supplied. As output couplings, short length elastic fail-safe bolt couplings can be supplied, as well as gear couplings which can also span greater distances. Please contact us if you have special requirements for input or output couplings.

- Common input couplings include: flexible, jaw-style, fluid couplings (to help control start-up), safety couplings or torque-overload couplings.
- Common output couplings include: elastic bolt couplings (for shorter span lengths), flange couplings or gear couplings (for larger span lengths).

Sealing systems

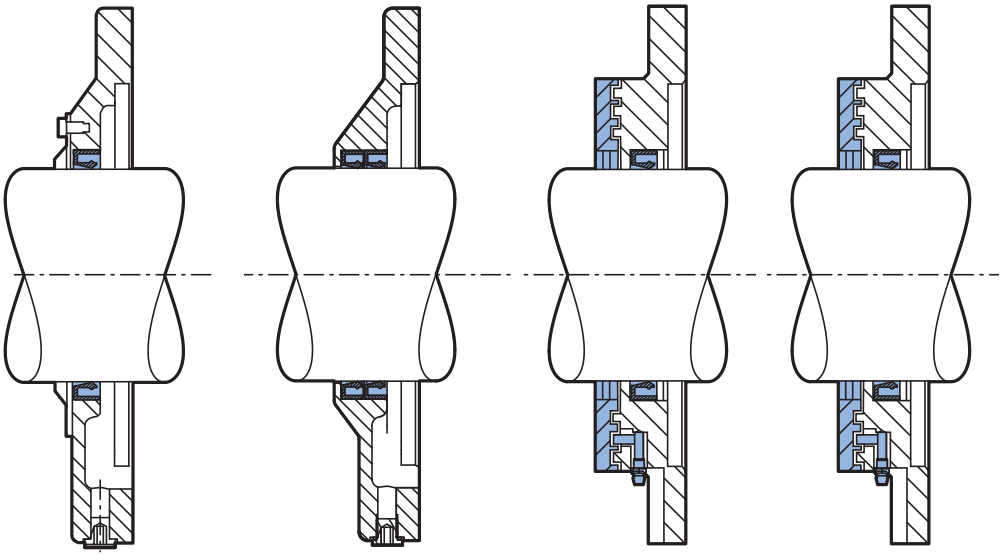
As standard, our gear units are equipped with an efficient sealing system that is suitable for many environments and their ambient conditions . Depending on the case size and gear unit type, the gearbox is supplied with one radial shaft seal (FKM) and gamma ring or a cartridge seal on the drive input shaft and two radial shaft seals on the output shaft. The seal material is NBR (Buma N), or FKM (Fluroelastomer) optionally. For operating oil temperatures (oil temperatures) above 85°C, FKM seals should be used. The optional shaft sealing rings can be supplied with or without a dust protection collar.

The choice of optimum sealing systems depends on the operating and ambient conditions, as well as the specified applications gear unit requirements. Please contact NORD with any questions regarding your sealing system selections.

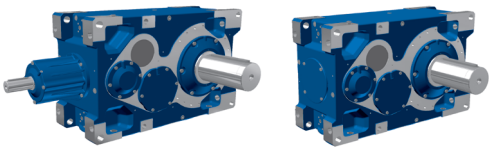
The following output seal designs are available:

- Two shaft sealing rings (standard)
- Taconite seals
- Gamma ring seals (without illustration)

Please contact us if sealing systems other than those listed here are required.



Standard (Input)	Standard (Output)	Taconite F (Input)	Taconite F (Output)
(one sealing ring & a gamma ring seal)	(two shaft sealing rings)	(Grease-Lubricated labyrinth seal; can be re-lubricated)	(Grease-filled outer shaft sealing ring; can be re-lubricated)



Lubrication systems

NORD delivers all Industrial Gear Units without oil to eliminate unneccessary shipping costs. NORD recommends only high quality gear oils that provide excellent wear and load bearing protection, corrosion protection and aging resistance. The lubricant must also contain anti-wear and/or extreme pressure additives to provide adequate protection while operating in a mixed friction regime (or when partial to full boundary lubrication conditions exist).

As a minimum, the lubricating oil should also meet the following criteria:

- The gear oil must exhibit high film strength in order to handle high torque, shock loads, and start-up conditions.
- The gear oil should have the ability to operate at moderate sump temperatures without losing viscosity or thickness. Sump temperatures should be allowed to approach 80°C-85°C (176°F-185°F) for mineral oil or 105°C (221°F) for synthetic oil
- The gear oil should have a minimum viscosity index of 95 or higher.
- FZG scuffing load test result > Stage 12 (per DIN 51354-2).
- FAG-FE-8 roller bearing test should result in roller element wear < 30 mg and cage wear less than 100 mg (per DIN51819-3).
- Compatibility with standard elastomeric sealing materials must also be assured.

Lubrication Types

The lubricant is an element of design and often an optimal lubricant viscosity or type is recommended by NORD on the basis of the operating and ambient conditions and the type or gear unit being specified.

While the MAXXDRIVE™ gear units are designed to be able to operate with high performance mineral oil, NORD strongly recommends the use of synthetic oil.

Only CLP (DIN 51517- 3) quality oils are approved for the MAXXDRIVE™ gear units. A list of possible oils meeting the general CLP requirements (found on page ⇨🕮 49), are categorized in the following table.

CLP	High-performance mineral oil (an EP additive is recommended by NORD).
CLP HC	Synthetic polyalphaolefin oil
CLP PG	Synthetic polyglycol oil
CLP HC H1 or CLP PG H1	Food-grade oil (must qualify as an NSF-H1 oil per FDA 212 CFR 178.3570).
E	Bio-degradable oil

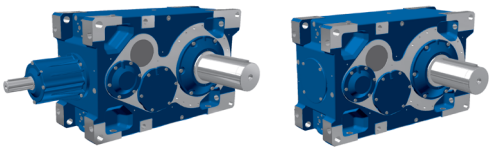
⚠ ***IMPORTANT NOTE*** ⚠
NORD will determine the type and viscosity of the lubricant for each specific order. This will be entered in the order confirmation and on the reducer nameplate.

Lubrication Methods

MAXXDRIVE™ gear units that are mounted in a horizontal position are intended to be oil splash lubricated. Those units mounted in a vertical or standing position may utilize bath (immersion) lubrication. In many instances forced lubrication or pressure lubrication offers advantages as well.

1. Splash Lubrication

The gearbox oil is kept at a relatively low level. The gearing and bearing components that do not dip into the oil are lubricated by splashing oil. This is the usual form of lubrication for horizontal installation positions (M1/M3). In slow speed operation, oil splash may not deliver lubricant to all critical areas. In high speed operation, oil splash may contribute to excessive churning losses and undesirable reducer heating.



2. Bath (Immersion) Lubrication

The gear unit is full or nearly full with oil with all gear and bearing surfaces completely or partially immersed in an oil bath. Bath lubrication is one way of assuring proper lubrication to gear units mounted in standing (M2 or M4) or vertical (M5 or M6) positions. Bath lubrication may sometimes lead to higher oil churning losses, higher operating temperatures, and reduced efficiency. These instances may also dictate the need for larger gear cases or additional cooling options and accessories. Pressure (forced) lubrication may eliminate the need for more costly accessories or options while also reducing operating temperatures and extending lubrication life.

3. Pressure (Forced) Lubrication [LC, LCX]

With pressure or forced lubrication, a pump (shaft driven or motorized) is provided, which allows a relatively low oil level to be maintained. The pump and oil distribution lines deliver the oil to all critical gear and bearing areas. Oil levels may be lowered, even compared to standard splash oil levels. This type of lubrication is advisable for the following operating conditions:

- When splash or bath lubrication is not possible or not thermally advantageous.
- When high input speeds are present and the speed limit for other lubrication methods are being exceeded (based on size, ratio and mounting).
- If a drywell is required with a vertical output shaft.
- If input speeds are below 1000 rpm.

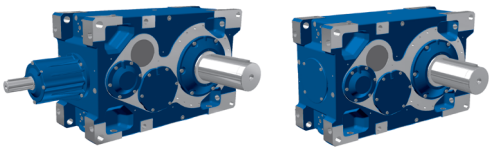
⚠ **IMPORTANT NOTE** ⚠
Consult NORD when considering either bath lubrication or pressure lubrication so that appropriate options and accessories can be recommended.

Typical Lubrication Recommendations

The MAXXDRIVE™ gear units are designed to be able to operate with high performance mineral oil containing an extreme pressure (EP) additive. A viscosity grade ISO VG220 EP (AGMA 5 EP) mineral oil is typical for ambient temperature conditions between 0°C-40°C (32°F-104°F).

While the MAXXDRIVE™ gear units are designed to be able to operate with high performance mineral oil, NORD strongly recommends the use of synthetic oil. Compared to mineral oil, synthetic oil offers the following advantages that provided added wear protection and extend reducer component life:

- Higher film strength, lower traction coefficient and improved lubricity.
- Reduced internal friction (reduced by as much as ½ compared to mineral oil) resulting in lower operating temperatures and improved gear efficiency.
- Superior wear and thermo-oxidative resistance, provides enhanced system cleanliness and enables longer service intervals.
- Higher viscosity index offering improved low temperature and high temperature stability.



Oil Filling Guidelines

Prior to start-up the proper oil fill level must be established. Unless requested, NORD furnishes all Industrial Gear Units without oil in order to eliminate additional shipping costs.

⚠ IMPORTANT NOTE ⚠

- All Industrial Gear Units gear units are shipped dry. The tables starting on page ⇨🕮 50 provide a guideline for the lubrication amount based upon the installation position.
- The actual oil volume will vary depending upon the gear unit type and configuration, mounting position and ratio.
- When filling the reducer, always check the oil-fill level using the reducer's oil level plug. Oil plug locations for common mounting configurations are shown on page ⇨🕮 48.
- In some instances NORD may supply a pre-stage gear unit or an auxiliary (inching) drive and these units are typically filled with the proper type and amount of oil (see separate user manual documentation).

Lubrication Replacement

If the gear unit is filled with mineral oil, the lubricant should be replaced at least after every 10,000 operating hours or after every two years, whichever comes first.

If the gear unit is filled with synthetic oil, the lubricant should be replaced at least after every 20,000 operating hours or after every 3 years, whichever comes first.

Often gear reducers are exposed to extreme operating conditions or hostile environments such as: high humidity or wet conditions, high ambient temperatures or high operating temperatures, or dirty and dusty operating areas. Especially in these situations, it is important to change the reducer lubricant more often that what is suggested as a typical guideline.

Please refer for details to the Operating and Assembly Instructions B1050 resp. B2050

⚠ WARNING ⚠

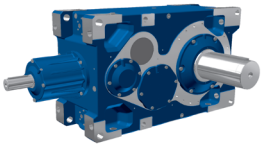
- Do not mix different oils with different additive packages or different base oil formulation types. Polyglycol (PG) oils are not miscible with other oil types and should never be mixed with mineral oil, or Polyalphaolefin (PAO) oil.
- When making a lubrication change, check with the lubrication supplier to assure compatibility with the original oil used and to obtain recommended cleaning or flushing procedures.

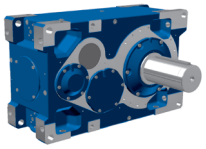
Importance of Routine Oil Analysis

Routine oil analysis, sound lubrication practices, and good tracking of oil performance trends will help establish proper lubrication maintenance and changeout intervals. To maximize equipment reliability NORD Gear recommends a condition-based lubrication maintenance program be applied to the MAXXDRIVE™ gear units. NORD suggests replacing the gear oil if oil analysis indicates any of the following:

- Viscosity has changed by approximately 10% or more.
- Debris particles (silicon, dust, dirt or sand) exceed 25 ppm.
- Iron content exceeds 100 ppm.
- Water content is greater than 0.05% (500 ppm).
- The total acid number (TAN) tests indicate a significant level of oxidative break-down of the oil, and a critical reduction in performance; If the TAN number measured changes by more than 40% over the oil, then an oil change would be recommended.

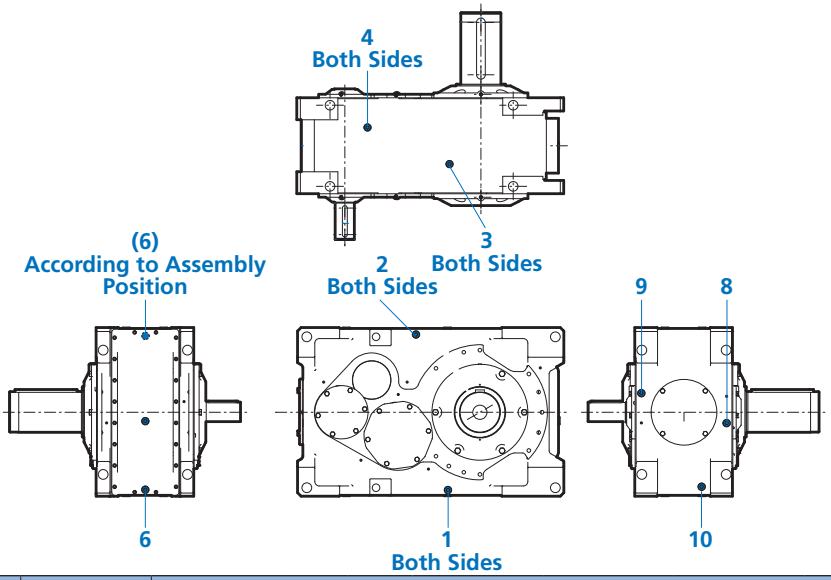
Oil & Drain Plug Locations





Oil Fill, Drain and Vent Locations

All MAXXDRIVE™ gear units are supplied with an oil level plug, an oil fill plug and a breather. All of the remaining holes are sealed. Alternative positions based on the locations of the remaining holes can be provided if requested.



No.	Thread	Installation position[3]					
		M1	M2	M3	M4	M5	M6
1	G1″	■	▽ 1)	▽	▽ 1)	■ / ▽	■ / ▽
2	G1″	▽	▽ 1)	■	▽ 1)	■ / ▼	■ / ▼
3	G1″	▼	▼	▼	▽ 1)	▼	▽ 1)
4	G1″	▽	---	▽	▼	▽ 1)	▼
6	G1″	■ / ▽ 2)	---	■ / ▽ 2)	■	▽ 1)	▽ 1)
7	G1″	▽ 1)	▼	▽ 1)	■	▽ 1)	▽ 1)
8	G1″	▼	■	▼	▼	■	▽
9	G1″	▽ 1)	■	▽ 1)	▽	▽	■
10	G1″	■	▽	▽	■	▽ 1)	▽ 1)

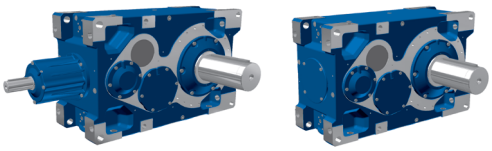
1) Special Oil Level

2) Dependant on Cover Assembly

3) Installation M1 - M6 refer to ⇨ 🕮 38

Blue Labeling Verifies the Standard Location

■ ■ = Oil Drain Plug ▽ ▼ = Vent ▽ ▼ = Oil Fill Level

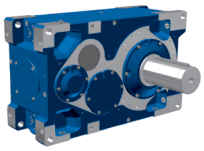


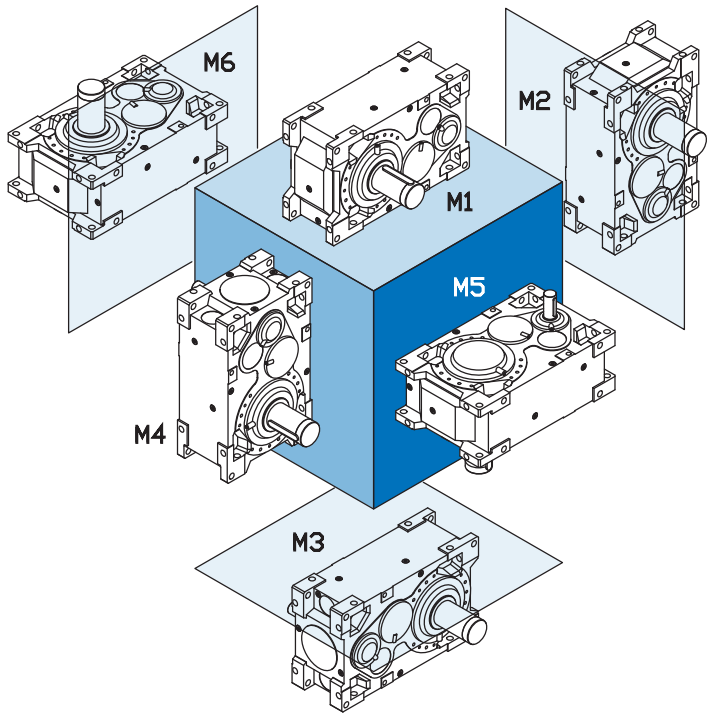
Available Lubricants

Lubricant Type	Details on Type Plate	DIN / ISO Ambient Temp.	bp	Castrol	FUCHS	KLÜBER LUBRICATION	Mobil	Shell
Mineral Oil	CLP 220	ISO VG 220 -10…40°C	Energol GR-XP 220	Alpha SP 220 Alpha MAX 220 Optigear BM 220 Tribol 1100 / 220	Renolin CLP 220 Renolin CLP 220 Plus Gearmaster CLP 220	Klüberoil GEM 1 - 220 N	Mobilgear 600 XP 220 Mobilgear XMP 220	Shell Omala F 220
	CLP 320	ISO VG 320 -10…40°C	Energol GR-XP 320	Alpha SP 320 Alpha MAX 320 Optigear BM 320 Tribol 1100 / 320	Renolin CLP 320 Renolin CLP 320 Plus Gearmaster CLP 320	Klüberoil GEM 1 - 320 N	Mobilgear 600 XP 320 Mobilgear XMP 320	Shell Omala F 320
	CLP 680	ISO VG 680 0…40°C	Energol GR-XP 680	Alpha SP 680 Optigear BM 680 Tribol 1100 / 680	Renolin CLP 680 Renolin CLP 680 Plus Gearmaster CLP 680	Klüberoil GEM 1 - 680 N	Mobilgear 600 XP 680 Mobilgear XMP 680	-
Synthetic Oil (Polyglycol)	CLP PG 220	ISO VG 220 -25…40°C	Enersyn SG-XP 220	Tribol 1300 / 220	Renolin PG 220 Gearmaster PGP 220	Klübersynth GH 6 - 220	-	Shell Omala S4 WE 220
	CLP PG 320	ISO VG 320 -25…40°C	Enersyn SG-XP 320	Tribol 1300 / 320	Renolin PG 320 Gearmaster PGP 320	Klübersynth GH 6 - 320	-	Shell Omala S4 WE 320
	CLP PG 680	ISO VG 680 -20…40°C	Enersyn SG-XP 680	Tribol 1300 / 680	Renolin PG 680 Gearmaster PGP 680	Klübersynth GH 6 - 680	-	Shell Omala S4 WE 680
Synthetic Oil (hydro-carbons)	CLP HC 220	ISO VG 220 -45…40°C	Enersyn EP-XF 220	Optigear Synth X 220 Tribol 1710 / 220	Renolin Unisyn CLP 220 Gearmaster SYN 220	Klübersynth GEM 4 - 220N	Mobil SHC 630	Shell Omala S4 GX 220
	CLP HC 320	ISO VG 320 -25…40°C	Enersyn EP-XF 320	Optigear Synth X 320 Tribol 1710 / 320	Renolin Unisyn CLP 320 Gearmaster SYN 320	Klübersynth GEM 4 - 320N	Mobil SHC 632	Shell Omala S4 GX 320
	CLP HC 680	ISO VG 680 -10…40°C	-	Optigear Synth X 680	Renolin Unisyn CLP 680 Gearmaster SYN 680	Klübersynth GEM 4 - 680N	-	Shell Omala S4 GX 680
Bio-degradable Oil	CLP-E 220	ISO VG 220 -5…40°C	-	Tribol BioTop 1418 / 220	Plantogear 220 S Gearmaster ECO 220	Klübersynth GEM 2 - 220	-	Shell Naturelle Gear Fluid EP 220
	CLP-E 320	ISO VG 320 -5…40°C	-	Tribol BioTop 1418 / 320	Plantogear 320 S Gearmaster ECO 320	Klübersynth GEM 2 - 320	-	Shell Naturelle Gear Fluid EP 320
	CLP-E 680	ISO VG 680 -5…40°C	-	-	Plantogear 680 S Gearmaster ECO 680	-	-	-
Foodstuff Compatible Oil	CLP PG H1 220	ISO VG 220 -25…40°C	-	Optileb GT 220	Cassida Fluid WG 220	Klübersynth UH1 6 - 220	-	-
	CLP PG H1 320	ISO VG 320 -20…40°C	-	Optileb GT 320	Cassida Fluid WG 320	Klübersynth UH1 6 - 320	-	-
	CLP PG H1 680	ISO VG 680 -5…40°C	-	Optileb GT 680	Cassida Fluid WG 680	Klübersynth UH1 6 - 680	-	-

This table shows comparable lubricants from various manufacturers. The manufacturer shown in this table may be changed within a particular viscosity or lubricant type. NORD must be contacted in case of change of viscosity or lubricant type or supplier, as otherwise no warranty for the functionality of our gearboxes may be accepted.

Parallel Industrial Gear Unit
Mounting Positions & Oil Fill Quantities



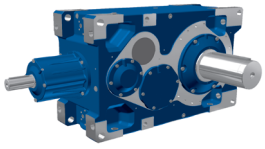


Unit Type	M1 Liters	M2 Liters	M3 Liters	M4 [1] Liters	M5 [2] Liters	M6 [2] Liters	max [3] Liters
SK 7207/7307	36	45	36	48	46	46	62
SK 8207/8307	44	55	44	59	57	57	76
SK 9207/9307	57	71	57	76	74	74	98
SK 10207/10307	72	89	72	96	92	92	123
SK 11207/11307	105	130 / 50 [4]	105	140 / 40 [4]	135 / 45 [4]	135 / 45 [4]	180
SK 12207 /12307	116	185 / 83 [4]	116	203 / 65 [4]	199 / 69 [4]	199 / 69 [4]	268
SK 13207 /13307	154	256 / 107 [4]	154	290 / 73 [4]	268 / 95 [4]	268 / 95 [4]	363
SK 14207 / 14307	225	374 / 156	225	424 / 107	392 / 139	392 / 139	531
SK 15207 /15307	358	415 / 160 [4]	335	450 / 125 [4]	405 / 170 [4]	412 / 163 [4]	575

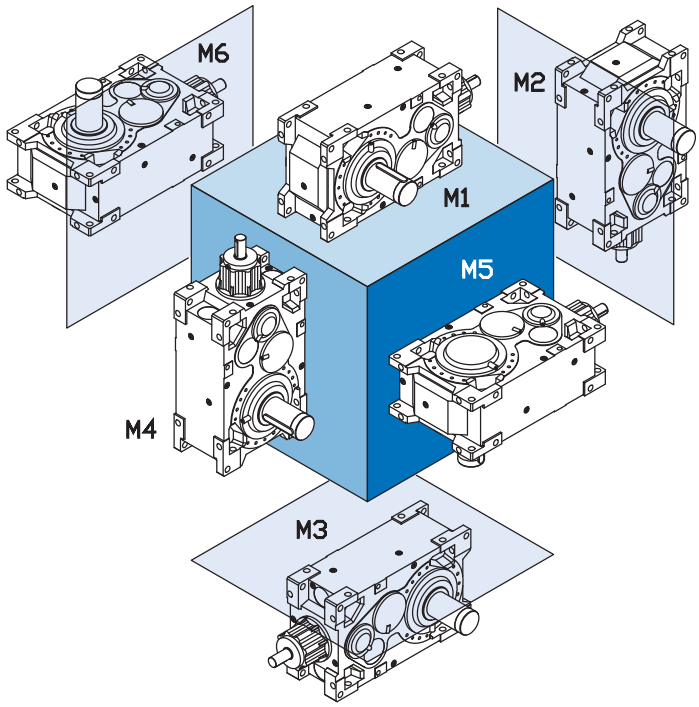
Unit Type	R (Backstop) Liters	VL2/3/4 (Spread Bearing) Liters	VL6 (Spread Bearing) Liters	WX (Auxillary Drive) Liters	OT (Oil Tank) Liters
SK 7207/7307	+1	+8	+8	+5	+7
SK 8207/8307	+1	+8	+8	+5	+7
SK 9207/9307	+2	+12	+12	+5	+7
SK 10207/10307	+2	+12	+12	+5	+7
SK 11207/11307	+2	+15	+15	+6.5	+15
SK 12207/12307	+3	+20	+20	+6.5	+15
SK 13207/13307	+5	+25	+25	+6.5	+15
SK 14207 / 14307	+6	+25	+25	+6.5	+15
SK 15207/15307	+7	+30	+30	+6.5	+15

CS1/CS2 (External Cooling) Liters	
A	+7
B	+7
C	+7
D	+7
E	+15
F	+15
G	+15
H	+15

1) Pressure (forced) lubrication is necessary for the bevel gear stages
2) With pressure (forced) lubrication
3) Please check thermal capacity of the gear unit
4) Reduced oil level with pressure (forced) lubrication



Bevel Industrial Gear Unit
Mounting Positions & Oil Fill Quantities



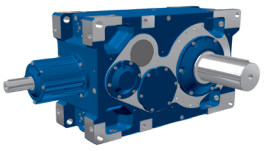
Unit Type	M1 Liters	M2 Liters	M3 Liters	M4 [1] Liters	M5 [2] Liters	M6 [2] Liters	max [3] Liters
SK 7407/7507	38	47	38	50	49	50	64
SK 8407/8507	47	58	47	62	60	62	79
SK 9407/9507	61	75	61	80	78	80	102
SK 10407/10507	77	94	77	101	97	101	128
SK 11407/11507	112	137	112	147	142	147	187
SK 12407/ 12507	126	195	126	213	209	209	278
SK 13407/ 13507	168	270	168	304	282	282	377
SK 14207 / 14307	246	395	246	444	412	412	551
SK 15407/ 15507	382	439	359	474	429	436	599

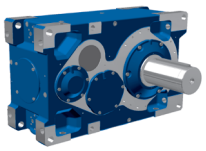
Unit Type	R (Backstop) Liters	VL2/3/4 (Spread Bearing) Liters	VL6 (Spread Bearing) Liters	WX (Auxillary Drive) Liters	OT (Oil Tank) Liters
SK 7407/7507	+1	+8	+8	+5	+7
SK 8407/8507	+1	+8	+8	+5	+7
SK 9407/9507	+2	+12	+12	+5	+7
SK 10407/10507	+2	+12	+12	+5	+7
SK 11407/ 11507	+2	+15	+15	+6.5	+15
SK 12407/12507	+3	+20	+20	+6.5	+15
SK 13407/13507	+5	+25	+25	+6.5	+15
SK 14207 / 14307	+6	+25	+25	+6.5	+15
SK 15407/15507	+7	+30	+30	+6.5	+15

CS1/CS2 (External Cooling) Liters	
A	+7
B	+7
C	+7
D	+7
E	+15
F	+15
G	+15
H	+15

1) Pressure (forced) lubrication is necessary for the bevel gear stages
2) With pressure (forced) lubrication
3) Please check thermal capacity of the gear unit
4) Reduced oil level with pressure (forced) lubrication

SK...207 & SK...307 Weights



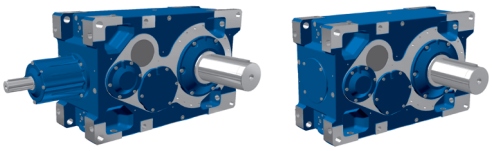


	V (Solid Shaft)		L (Double Solid Shaft)		A (Hollow Shaft)		AS (Hollow Shaft /Shrink Disc)	
	kg	lb	kg	lb	kg	lb	kg	lb
SK 7207	473	1043	530	1168	418	922	439	968
SK 7307	509	1122	570	1257	454	1001	477	1052
SK 8207	551	1215	608	1340	496	1093	516	1138
SK 8307	592	1305	654	1442	538	1186	560	1235
SK 9207	953	2101	1068	2355	824	1817	865	1907
SK 9307	1025	2260	1148	2531	895	1973	940	2072
SK 10207	1087	2396	1201	2648	957	2110	999	2202
SK 10307	1169	2577	1292	2848	1039	2291	1084	2390
SK 11207	1390	3064	1460	3219	1250	2756	1300	2866
SK 11307	1460	3219	1530	3373	1320	2910	1370	3020
SK 12207	2005	4420	2110	4652	1785	3935	1860	4101
SK 12307	2110	4652	2215	4883	1890	4167	1965	4332
SK 13207	2820	6217	2980	6570	2460	5423	2600	5732
SK 13307	3040	6702	3200	7055	2680	5908	2820	6217
SK 14207	3550	7828	3740	8247	3200	7056	3410	7519
SK 14307	3570	7872	3760	8291	3200	7100	3430	7563
SK 15207	4460	9833	4645	10240	4035	8896	4180	9215
SK 15307	4700	10362	4885	10770	4275	9425	4420	9744

	R (Backstop)		V + VL2/3 (Spread Bearing)		A + VL2/3 (Spread Bearing)		AS + VL2/3 (Spread Bearing)		F (Low Flange)		FK (High Flange)	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
SK 7207	+ 3.2	+ 7	+ 67	+ 147	+ 36	+ 79	+ 45	+ 99	+ 23	+ 51	+ 29	+ 63
SK 7307	+ 2.3	+ 5										
SK 8207	+ 3.6	+ 8	+ 82	+ 181	+ 44	+ 97	+ 55	+ 122	+ 29	+ 63	+ 35	+ 78
SK 8307	+ 2.7	+ 6										
SK 9207	+ 5.0	+ 11	+ 107	+ 235	+ 57	+ 126	+ 72	+ 158	+ 37	+ 82	+ 46	+ 101
SK 9307	+ 3.6	+ 8										
SK 10207	+ 6.4	+ 14	+ 133	+ 294	+ 71	+ 157	+ 90	+ 198	+ 47	+ 103	+ 58	+ 127
SK 10307	+ 4.5	+ 10										
SK 11207	+ 20	+ 44	+ 430	+ 948	+ 230	+ 507	+ 290	+ 639	+ 150	+ 331	+ 185	+ 408
SK 11307	+ 15	+ 33										
SK 12207	+ 35	+ 77	+ 600	+ 1323	+ 340	+ 750	+ 410	+ 904	+ 205	+ 452	+ 260	+ 573
SK 12307	+ 15	+ 33										
SK 13207	+ 35	+ 77	+ 850	+ 1874	+ 470	+ 1036	+ 575	+ 1268	+ 295	+ 650	+ 365	+ 805
SK 13307	+ 15	+ 33										
SK 14207	+57	+127	+860	+1900	+500	+1900	+590	+1300	---	---	---	---
SK 14307	+32	+70										
SK 15207	+ 60	+ 132	+ 1430	+ 3153	+ 840	+ 1852	+ 970	+ 2138	---	---	---	---
SK 15307	+ 35	+ 77										

CAUTIONS

The weight data is based on gear units without oil and add-ons. The actual weights can be supplied with the gear unit documentation.



SK...207 & SK...307 Weights

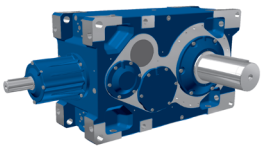
	D (Torque Support)		ED (Elastic Torque Sup.)		WX (Auxillary Drive)		H (FAN) (Fan Cover)		H (AS) (Shrink Disc Cover)		CC (Int. Water Cooler)	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
SK 7207 SK 7307	+10	+22	+39	+86	+38	+84	+8.2	+18	+3.2	+7	+3.2	+7
SK 8207 SK 8307	+13	+29	+48	+106	+46	+101	+9.1	+20	+4.1	+9	+4.1	+9
SK 9207 SK 9307	+16	+35	+63	+139	+60	+132	+12	+26	+5.0	+11	+5.0	+11
SK 10207 SK 10307	+21	+46	+79	+174	+75	+165	+15	+33	+6.8	+15	+6.8	+15
SK 11207 SK 11307	+30	+66	+115	+254	+110	+243	+22	+49	+10	+22	+10	+22
SK 12207 SK 12307	+35	+77	+115	+254	+110	+243	+25	+55	+11	+24	+12	+26
SK 13207 SK 13307	+40	+88	+135	+298	+110	+243	+28	+62	+13	+29	+15	+33
SK 14207 SK 14307	+84	+187	+172	+381	+115	+253	+29	+65	+13	+29	+15	+33
SK 15207 SK 15307	+45	+99	+135	+298	+120	+265	+35	+77	+16	+35	+15	+33

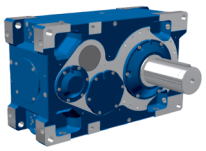
	IEC 100		IEC 112		IEC 132		IEC 160		IEC 180		IEC 200		IEC 225		IEC 250		IEC 280		IEC 315		TN315		TN355	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
SK 7207 SK 7307	+13	+29	+13	+29	+169	+373	+74	+163	+74	+163	+70	+154	+79	+174	+94	+207	+94	+207	+115	+254	+137	+302	+166	+366
SK 8207 SK 8307	+13	+29	+13	+29	+169	+373	+74	+163	+74	+163	+70	+154	+79	+174	+94	+207	+94	+207	+115	+254	+137	+302	+166	+366
SK 9207 SK 9307	+13	+29	+13	+29	+169	+373	+76	+168	+76	+168	+72	+159	+80	+176	+96	+212	+96	+212	+117	+258	+139	+306	+168	+370
SK 10207 SK 10307	+13	+29	+13	+29	+169	+373	+76	+168	+76	+168	+72	+159	+80	+176	+96	+212	+96	+212	+117	+258	+139	+306	+168	+370
SK 11207 SK 11307	---	---	---	---	---	---	+142	+313	+142	+313	+138	+304	+147	+324	+162	+357	+162	+357	+183	+403	+205	+452	+235	+518
SK 12207 SK 12307	---	---	---	---	---	---	+168	+370	+168	+370	+163	+359	+172	+379	+188	+414	+188	+414	+209	+461	+231	+509	+260	+573
SK 13207 SK 13307	---	---	---	---	---	---	+184	+406	+184	+406	+180	+397	+189	+417	+204	+450	+204	+450	+225	+496	+247	+545	+277	+611
SK 14207 SK 14307	---	---	---	---	---	---	+227	+501	+227	+501	+177	+392	+232	+512	+247	+545	+247	+545	+268	+591	+290	+640	+320	+705
SK 15207 SK 15307	---	---	---	---	---	---	+230	+507	+230	+507	+226	+498	+235	+518	+250	+551	+250	+551	+271	+597	+293	+646	+322	+710

CAUTIONS

The weight data is based on gear units without oil and add-ons. The actual weights can be supplied with the gear unit documentation.

SK...407 & SK...507 Weights



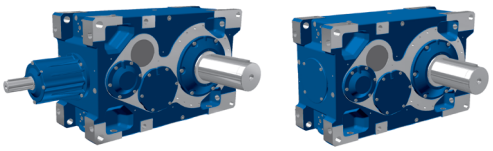


	V (Solid Shaft)		L (Double Solid Shaft)		A (Hollow Shaft)		AS (Hollow Shaft /Shrink Disc)	
	kg	lb	kg	lb	kg	lb	kg	lb
SK 7407	542	1195	603	1329	487	1074	510	1124
SK 7507	534	1177	591	1303	479	1056	499	1100
SK 8407	620	1367	681	1501	565	1246	588	1296
SK 8507	617	1360	732	1614	488	1076	529	1166
SK 9407	1044	2302	1167	2573	914	2015	959	2114
SK 9507	1056	2328	1170	2579	926	2041	968	2134
SK 10407	1178	2597	1301	2868	1048	2310	1093	2410
SK 10507	1200	2646	1363	3005	1104	2434	1176	2593
SK 11407	1460	3219	1530	3373	1320	2910	1370	3020
SK 11507	1535	3384	1605	3538	1395	3075	1445	3186
SK 12407	2185	4817	2290	5049	1965	4332	2040	4497
SK 12507	2195	4839	2300	5071	1975	4354	2050	4519
SK 13407	2970	6548	3130	6900	2610	5754	2790	6151
SK 13507	3190	7033	3350	7385	2830	6239	2970	6548
SK 14407	3660	8070	3850	8490	33100	7290	3520	7761
SK 14507	3750	8269	3940	8690	3400	7498	3610	7960
SK 15407	4770	10516	4955	10924	4345	9579	4490	9899
SK 15507	4945	10902	5130	11310	4520	9965	4665	10285

	R (Backstop)		V + VL2/3 (Spread Bearing)		A + VL2/3 (Spread Bearing)		AS + VL2/3 (Spread Bearing)		F (Low Flange)		FK (High Flange)	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
SK 7407	+6.8	+15	+147	+324	+79	+174	+99	+218	+51	+112	+63	+139
SK 7507	+5.0	+11										
SK 8407	+8.2	+18	+181	+399	+97	+214	+122	+269	+63	+139	+78	+172
SK 8507	+5.9	+13										
SK 9407	+11	+24	+235	+518	+126	+278	+158	+348	+82	+181	+101	+223
SK 9507	+8.2	+18										
SK 10407	+14	+31	+294	+648	+157	+346	+198	+437	+103	+227	+127	+280
SK 10507	+10	+22										
SK 11407	+20	+44	+426	+939	+233	+514	+289	+637	+147	+324	+183	+403
SK 11507	+13	+29										
SK 12407	+33	+73	+602	+1327	+338	+745	+409	+902	+207	+456	+258	+569
SK 12507	+13	+29										
SK 13407	+33	+73	+292	+644	+291	+642	+292	+644	+293	+646	+365	+805
SK 13507	+13	+29										
SK 14407	+33	+73	+860	+1900	+500	+1100	+590	+1300	+350	+750	---	---
SK 14507	+13	+29										
SK 15407	+60	+132	+1427	+3146	+839	+1850	+969	+2136	+400	+882	---	---
SK 15507	+33	+73										

CAUTIONS

The weight data is based on gear units without oil and add-ons. The actual weights can be supplied with the gear unit documentation.



SK...407 & SK...507 Weights

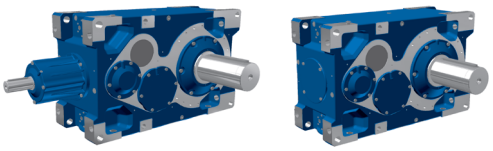
	D (Torque Support)		ED (Elastic Torque Sup.)		WX (Auxillary Drive)		H (FAN) (Fan Cover)		H (AS) (Shrink Disc Cover)		CC (Int. Water Cooler)	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
SK 7407 SK 7507	+10	+22	+39	+86	+38	+84	+8.2	+18	+3.2	+7	+3.2	+7
SK 8407 SK 8507	+13	+29	+48	+106	+46	+101	+9.1	+20	+4.1	+9	+4.1	+9
SK 9407 SK 9507	+16	+35	+63	+139	+60	+132	+12	+26	+5.0	+11	+5.0	+11
SK 10407 SK 10507	+21	+46	+79	+174	+75	+165	+15	+33	+6.8	+15	+6.8	+15
SK 11407 SK 11507	+30	+66	+115	+254	+110	+243	+22	+49	+10	+22	+10	+22
SK 12407 SK 12507	+35	+77	+115	+254	+110	+243	+25	+55	+11	+24	+12	+26
SK 13407 SK 13507	+40	+88	+135	+298	+110	+243	+28	+62	+13	+29	+15	+33
SK 14407 SK 14507	+84	+187	+172	+381	+115	+253	+30	+65	+13	+29	+15	+33
SK 15407 SK 15507	+45	+99	+135	+298	+120	+265	+35	+77	+16	+35	+15	+33

	IEC 100		IEC 112		IEC 132		IEC 160		IEC 180		IEC 200		IEC 225		IEC 250		IEC 280		IEC 315		TN315		TN355	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
SK 7407 SK 7507	+13 +87	+29 +192	+13 +87	+29 +192	+169 +119	+373 +262	+91	+201	+91	+201	+87	+192	+95	+209	+111	+245	+111	+245	+132	+291	+154	+340	+183	+403
SK 8407 SK 8507	+13 +87	+29 +192	+13 +87	+29 +192	+169 +119	+373 +262	+91	+201	+91	+201	+87	+192	+95	+209	+111	+245	+111	+245	+132	+291	+154	+340	+183	+403
SK 9407 SK 9507	+13 +87	+29 +192	+13 +87	+29 +192	+169 +119	+373 +262	+91	+201	+91	+201	+87	+192	+95	+209	+111	+245	+111	+245	+132	+291	+154	+340	+183	+403
SK 10407 SK 10507	+13 +87	+29 +192	+13 +87	+29 +192	+169 +119	+373 +262	+91	+201	+91	+201	+87	+192	+95	+209	+111	+245	+111	+245	+132	+291	+154	+340	+183	+403
SK 11407 SK 11507	---	---	---	---	---	---	+170 +144	+375 +144	+170 +144	+375 +317	+166 +140	+366 +309	+175 +149	+386 +328	+190 +164	+419 +362	+190 +164	+419 +362	+211 +185	+465 +408	+233 +207	+514 +456	+263 +237	+580 +522
SK 12407 SK 12507	---	---	---	---	---	---	+222 +176	+489 +176	+222 +176	+489 +388	+218 +172	+481 +379	+226 +181	+498 +399	+242 +196	+534 +432	+242 +196	+534 +432	+263 +217	+580 +478	+285 +239	+628 +527	+314 +269	+692 +593
SK 13407 SK 13507	---	---	---	---	---	---	+267 +216	+589 +216	+267 +216	+589 +476	+262 +212	+578 +467	+271 +221	+597 +487	+287 +236	+633 +520	+287 +236	+633 +520	+308 +257	+679 +567	+330 +279	+728 +615	+359 +308	+791 +679
SK 14407 SK 14507	---	---	---	---	---	---	+267 +216	+589 +216	+267 +216	+589 +476	+262 +212	+578 +467	+271 +221	+597 +487	+287 +236	+633 +520	+287 +236	+633 +520	+308 +257	+679 +567	+330 +279	+728 +615	+359 +308	+791 +679
SK 15407 SK 15507	---	---	---	---	---	---	+310 +240	+683 +240	+310 +240	+683 +529	+306 +236	+675 +520	+315 +244	+694 +538	+330 +260	+728 +573	+330 +260	+728 +573	+351 +281	+774 +619	+373 +303	+822 +668	+402 +332	+886 +732

CAUTIONS

The weight data is based on gear units without oil and add-ons. The actual weights can be supplied with the gear unit documentation.

Reducer Tolerances



Solid & Hollow Shaft Tolerance Standards

Nominal Size ø Range		Hollow Shaft	Solid Shaft			
Over (mm)	To (mm)	H7 (µm)	g6 (µm)	h6 (µm)	k6 (µm)	m6 (µm)
ø 40	ø 50	+25	-9	0	+18	+25
		0	-25	-16	+2	+9
ø 50	ø 65	+30	-10	0	+21	+30
		0	-29	-19	+2	+11
ø 65	ø 80	+30	-10	0	+21	+30
		0	-29	-19	+2	+11
ø 80	ø 100	+36	-12	0	+25	+35
		0	-34	-22	+3	+13
ø 100	ø 120	+36	-12	0	+25	+35
		0	-34	-22	+3	+13
ø 120	ø 140	+40	-14	0	+28	+40
		0	-39	-25	+3	+15
ø 140	ø 160	+40	-14	0	+28	+40
		0	-39	-25	+3	+15
ø 160	ø 180	+40	-14	0	+28	+40
		0	-39	-25	+3	+15
ø 180	ø 200	+46	-15	0	+33	+46
		0	-44	-29	+4	+17
ø 200	ø 225	+46	-15	0	+33	+46
		0	-44	-29	+4	+17
ø 225	ø 250	+46	-15	0	+33	+46
		0	-44	-29	+4	+17
ø 250	ø 280	+52	-17	0	+36	+52
		0	-49	-32	+4	+20
ø 280	ø 315	+52	-17	0	+36	+52
		0	-49	-32	+4	+20
ø 315	ø 355	+57	-18	0	+40	+57
		0	-54	-36	+4	+21

Standard tolerances: According to ISO 2768 - mk
According to: DIN 748 & ISO H7

⚠ IMPORTANT NOTE ⚠

Alternate inch dimensions and tolerances are available upon request.

Solid & Hollow Shaft & Key Tolerances

Solid Shaft Diameter Tolerance	[mm]
> ø 14 - ø 50	ISO k6
> ø 50	ISO m6

Shaft Tolerance According to: DIN 748

Solid Shaft Drill & Tap End - Threaded Holes	[mm]
= ø 13 - ø 16	M5
> ø 16 - ø 21	M6
> ø 21 - ø 24	M8
> ø 24 - ø 30	M10
> ø 30 - ø 38	M12
> ø 38 - ø 50	M16
> ø 50 - ø 85	M20
> ø 85 - ø 130	M24
> ø 130 - ø 155	M30
> ø 155 - ø 225	M36
> ø 225 - ø 320	M48

Solid Shaft Parallel Keys	[mm]
According to DIN 6885	

Keyed Hollow Bore Tolerances	[mm]
According to DIN 748 & ISO H7	

Splined Hollow Shaft Tolerance	[mm]
Splined Hub Section of DIN 5480 9H	

Hollow Shaft Parallel Keys	[mm]
According to DIN 6885	

Customer Shaft & Other Tolerances

Customer Shafts	[mm]
Tolerance According to ISO h6	
L = Length of plug-in shaft	
DIN 5480 Recommended Fitting 8f	
Shrink Disc Tolerance According to ISO g6	

Customer Shaft Parallel Keys	[mm]
According to DIN 6885 Sheets 1 & 3	

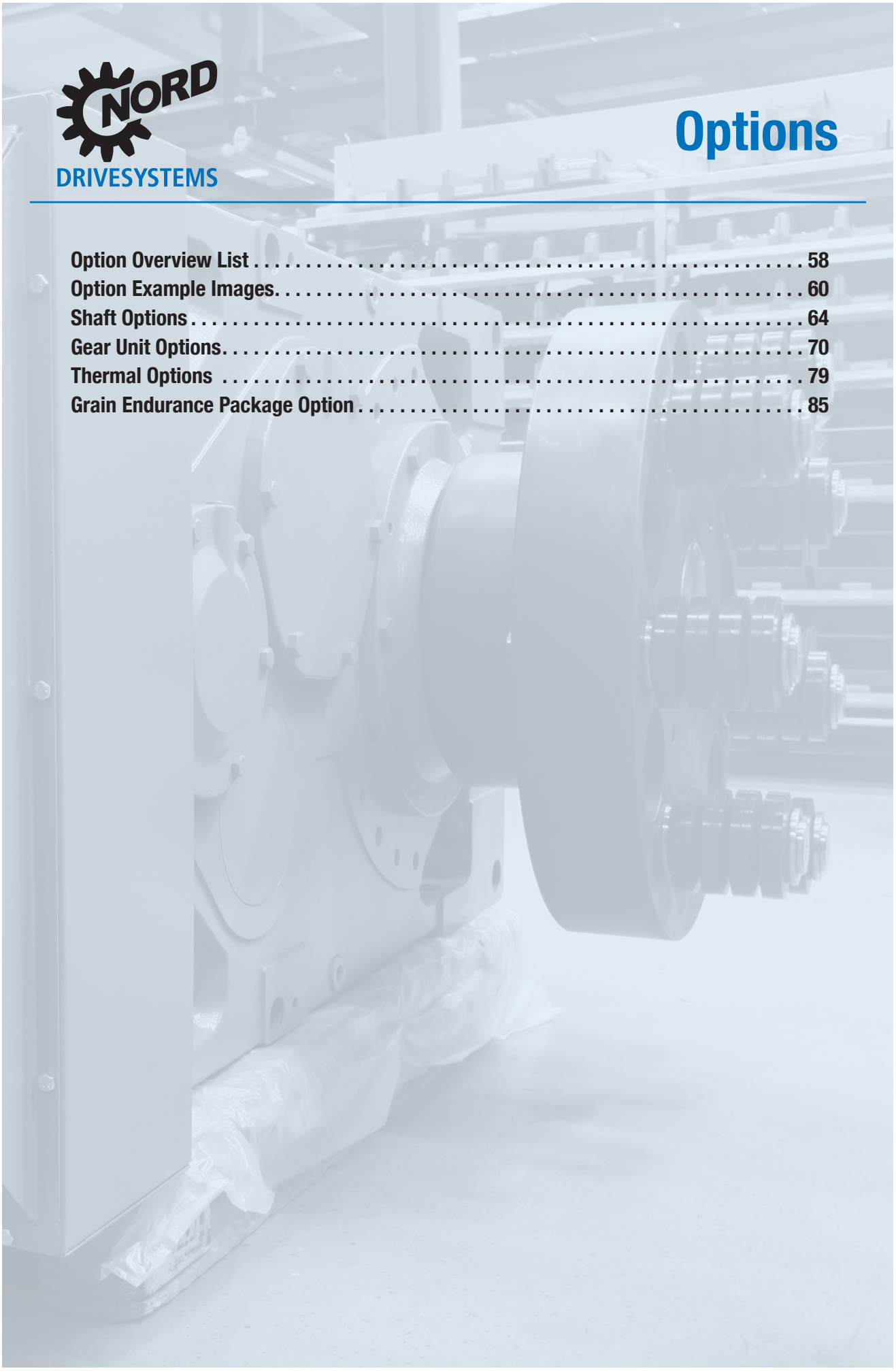
Axle Height
Axle Height According to DIN 747

Flanges
Tolerance of bolt hole According to DIN 42 948
Tolerance of the pilot According to DIN 42 948 ≤ ø 230 mm according to ISO j6 > ø 230 mm according to ISO h6

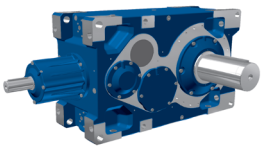
Cast Surfaces
All cast surfaces are subject to minor variations due to the manufacturing process.

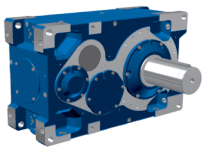
DRIVESYSTEMS

Options



Gear Unit Options



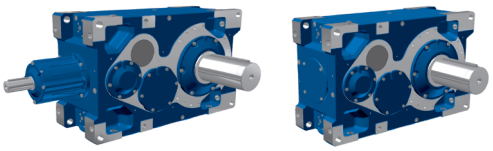


NORD DRIVESYSTEMS

Large Industrial Gearbox Options

Option Code	Description	Output Design	Output Options	Input Design	Add. Options	Size									⇨🕮
						SK 7.07	SK 8.07	SK 9.07	SK 10.07	SK 11.07	SK 12.07	SK 13.07	SK 14.07	SK 15.07	
A	Keyed hollow output shaft	X				✔	✔	✔	✔	✔	✔	✔	✔	✔	64
AS	Keyed hollow output shaft with shrink disc	X				✔	✔	✔	✔	✔	✔	✔	✔	✔	66
B	Fixing kit for hollow output shaft		X			✔	✔	✔	✔	✔	✔	✔	✔	✔	65
CC	Internal water cooler				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	80
CS1	External oil / water cooler				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	81
CS2	External oil / air cooler				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	81
D	Torque support		X			✔	✔	✔	✔	✔	✔	✔	✔	✔	73
EA	Hollow output shaft, with spline, DIN 5480	X				✔	✔	✔	✔	✔	✔	✔	✔	✔	64
ED	Elastic torque support		X			✔	✔	✔	✔	✔	✔	✔	✔	✔	73
EV	Splined solid output shaft, DIN 5480	X				✔	✔	✔	✔	✔	✔	✔	✔	✔	64
EW	Splined solid input shaft, DIN 5480			X		✔	✔	✔	✔	✔	✔	✔	✔	✔	64
F	Low output flange (B14 with threaded holes)		X			✔	✔	✔	✔	✔	✔	✔	✔	✔	70
FAN	Fan or Electric Fan				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	84
FK	High output flange (B5 with through holes)		X			✔	✔	✔	✔	✔	✔	✔	✔	✔	70
F1	Input flange			X		✔	✔	✔	✔	✔	✔	✔	✔	✔	76
H/H66	Cover (contact protection) / IP66 Cover		X	X		✔	✔	✔	✔	✔	✔	✔	✔	✔	67
IEC	Adapter for fitting B5 IEC standard motors			X		✔	✔	✔	✔	✔	✔	✔	✔	✔	76
L	Double solid output shaft	X				✔	✔	✔	✔	✔	✔	✔	✔	✔	64
LC	Pressure Forced lubrication (Bearings)				X	1)	1)	1)	1)	✔	✔	✔	✔	✔	81
LCX	Pressure Forced lubrication with Drywell (Bearings & Gears)				X	1)	1)	1)	1)	1)	1)	1)	1)	1)	81
MC	Motor scoop				X	1)	1)	1)	1)	1)	1)	1)	1)	1)	76
MO	Monitoring devices & sensors				X	1)	1)	1)	1)	1)	1)	1)	1)	1)	77
MF	Motor base frame (options: see MF..)				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	73
MFB	Base frame with brake				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	74

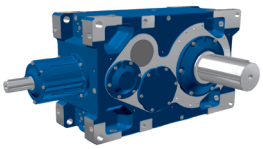
1) **on request**

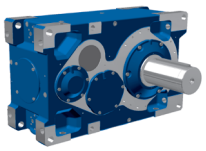


Gear Unit Options

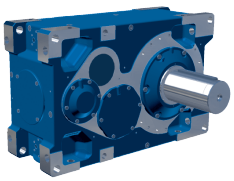
Option Code	Description	Output Design	Output Options	Input Design	Add. Options	Size									⇨ 🕮
						SK 7.07	SK 8.07	SK 9.07	SK 10.07	SK 11.07	SK 12.07	SK 13.07	SK 14.07	SK 15.07	
MS	Motor Swing Base (options: see MS ..)				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	73
MSB	Swing base with brake				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	74
MFK	Base frame with elastic coupling				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	74
MFT	Base frame with fluid coupling				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	74
MSK	Swing base with elastic coupling				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	74
MSKB	Swing base with elastic coupling and brake				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	74
MST	Swing base with fluid coupling				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	74
MFTB	Base frame with fluid coupling and brake				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	74
MSTB	Swing base with fluid coupling and brake				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	74
MT	Motor bracket				X	1)	1)	1)	1)	1)	1)	1)	1)	1)	77
NEMA	Adapter for fitting B5 NEMA C-flange standard motors			X		✔	✔	✔	✔	✔	✔	✔	✔	✔	76
OT	Oil tank				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	79
OH	Oil heater				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	79
R	Backstop			X		✔	✔	✔	✔	✔	✔	✔	✔	✔	68
V	Solid output shaft	X				✔	✔	✔	✔	✔	✔	✔	✔	✔	64
VL2	Spread Bearing Design	X				✔	✔	✔	✔	✔	✔	✔	✔	✔	71
VL3	Spread Bearing Design with Oil Safe Dry Cavity	X				✔	✔	✔	✔	✔	✔	✔	✔	✔	71
VL4	Spread Bearing Design with Drywell	X				✔	✔	✔	✔	✔	✔	✔	✔	✔	72
VL6	Spread Bearing Design with Drywell without Flange	X				✔	✔	✔	✔	✔	✔	✔	✔	✔	72
WX	Auxiliary drive			X		✔	✔	✔	✔	✔	✔	✔	✔	✔	77
W1/W2/ W3	W-Solid Shaft Input Seals 1/2/3 - number of seals			X		✔	✔	✔	✔	✔	✔	✔	✔	✔	---
---	Brakes				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	75
---	Couplings		X	X		✔	✔	✔	✔	✔	✔	✔	✔	✔	75
---	Paint Coatings				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	78
---	Endurance Package				X	✔	✔	✔	✔	✔	✔	✔	✔	✔	85

1) **on request**

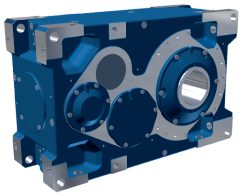




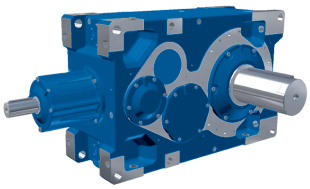
Examples



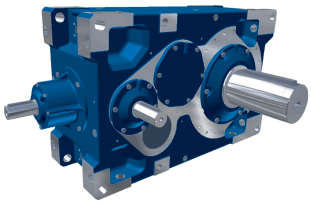
SK 13207 - V
Two-stage parallel gear unit
- with solid output shaft



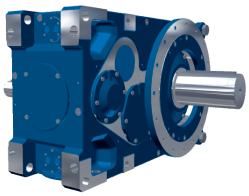
SK 13307 - A
Three-stage parallel gear unit
- with hollow output shaft



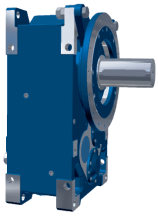
SK 13407 - V
Three-stage right-angle gear unit
- with solid output shaft



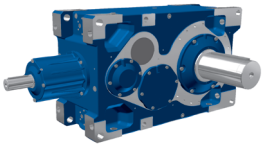
SK 13507 - V - W
Four-stage right-angle gear unit
- with solid output shaft
- with additional free input shaft

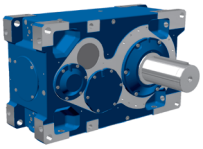


SK 13207 - V - F
Two-stage parallel gear unit
- with solid shaft and F flange on output



SK 13207 - V - F
Two-stage parallel gear unit
- with solid shaft and F flange on output



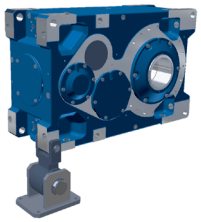


Examples

SK 13207 - A - ED

Two-stage parallel gear unit

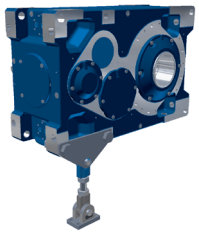
- with hollow output shaft and elastic torque support



SK 13307 - A - D

Three-stage parallel gear unit

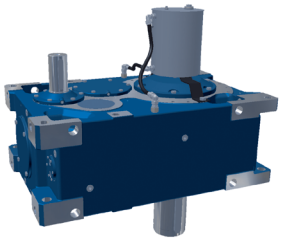
- with hollow output shaft and standard torque support



SK 13207 - V - OT

Two-stage parallel gear unit

- with solid output shaft and oil tank



SK 13207 - V - VL2 - IEC

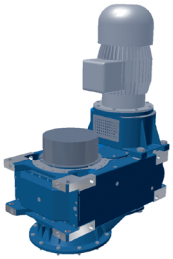
Two-stage parallel gear unit

- with solid output shaft, attached IEC motor, and "spread bearing design" with reinforced bearings

SK 13307 - ASH - VL3 - NEMA

Three-stage parallel gear unit

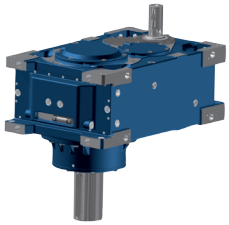
- with hollow output shaft with shrink disc & cover, "spread bearing design" with "Drywell" and attached NEMA motor

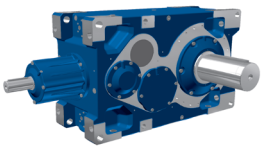


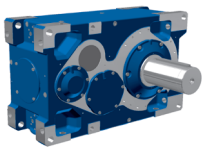
SK 13307 - V - VL6

Three-stage parallel gear unit

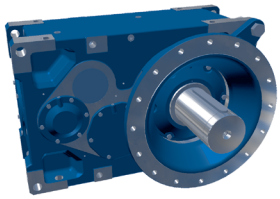
- with solid output shaft and "spread bearing design" with "Drywell" and bolt on cover



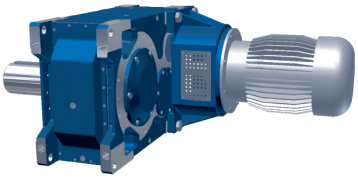




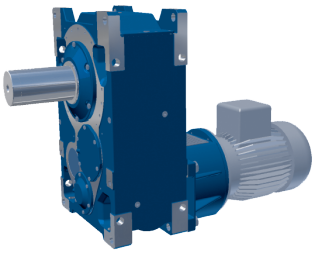
Examples



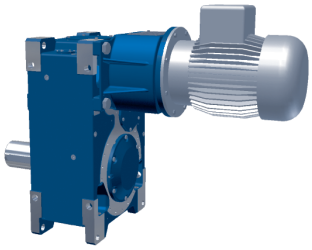
SK 13207 - V - FK
Two-stage right-angle gear unit
- with solid shaft and high flange on output



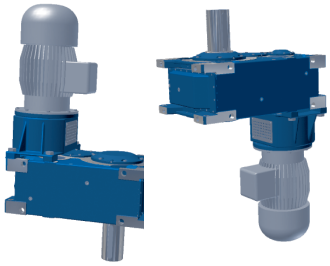
SK 13307 - V - IEC
Three-stage right-angle unit
- with solid output shaft, and an attached IEC motor



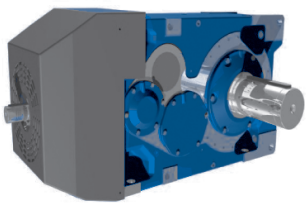
SK 13207 - V - NEMA
Two-stage parallel unit
- with solid output shaft, and an attached NEMA motor



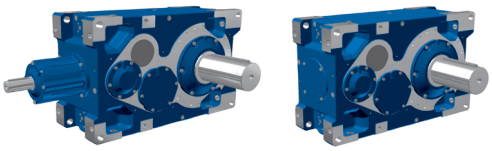
SK 13307 - V - IEC
Three-stage parallel gear unit
- with solid output shaft, and an attached IEC motor



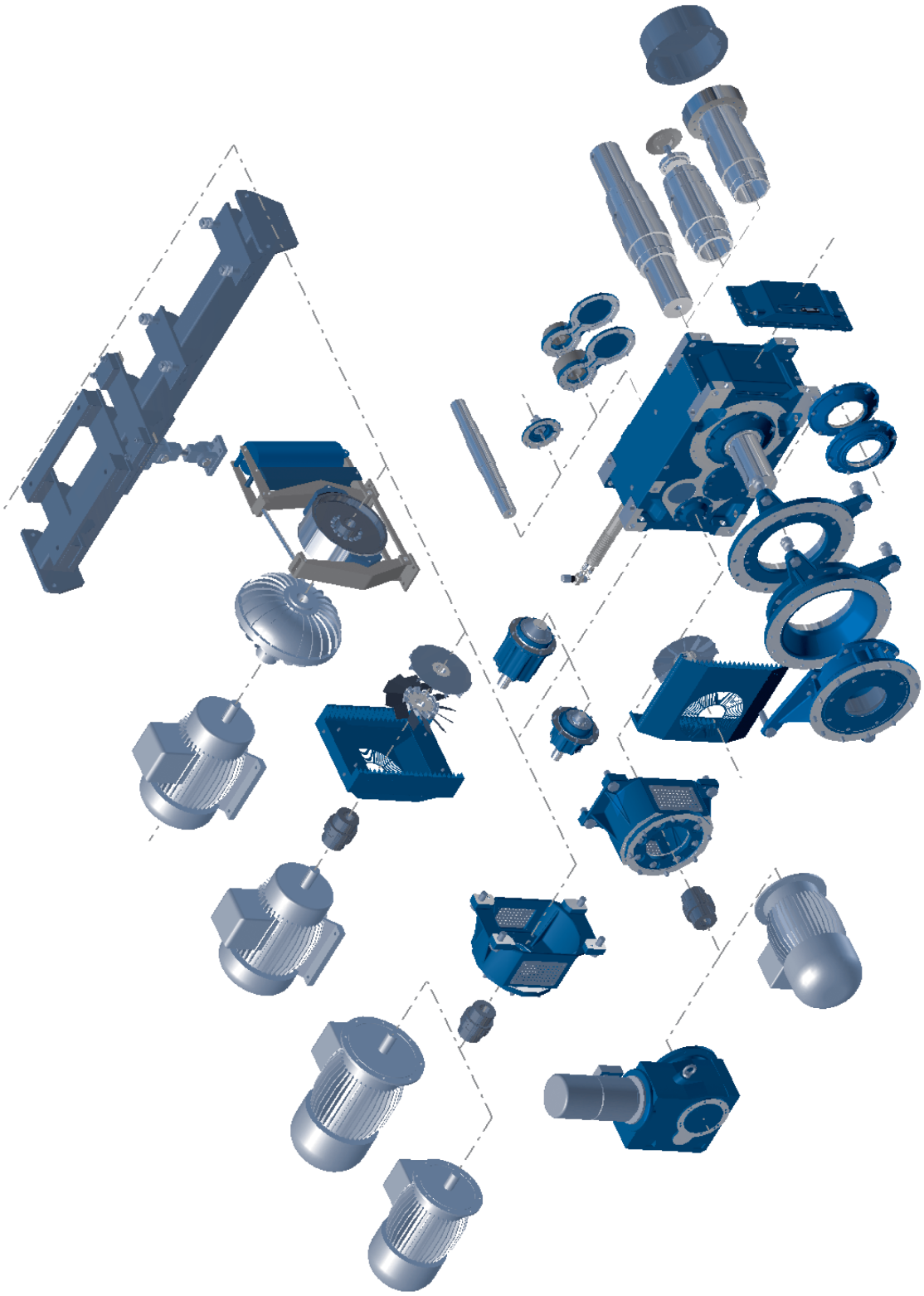
SK 13207 - V - NEMA
Two-stage parallel gear unit
- with solid output shaft, and an attached NEMA motor

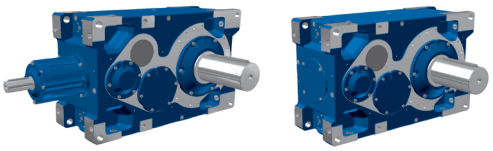


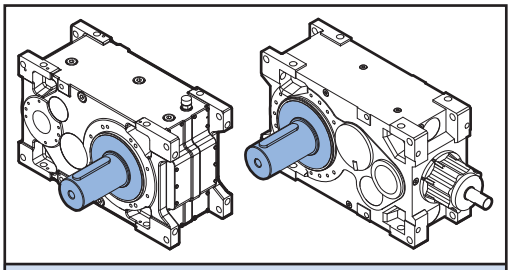
SK 13407 - V - FAN
Three-stage right angle gear unit
- with solid output shaft
- with attached fan and protective cover



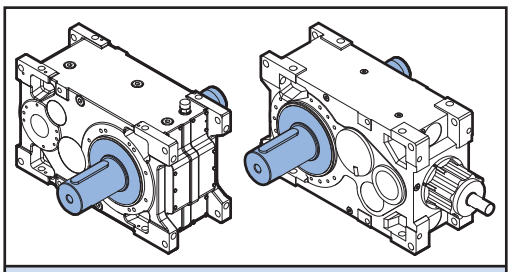
Gear Unit Options



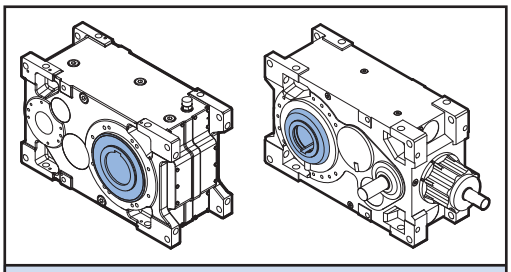




Parallel & Right Angle Solid Shaft Examples



Parallel & Right Angle Double Solid Shaft Examples



Parallel & Right Angle Keyed Hollow Shaft Examples

Shaft Options

Solid Output Shaft (Blank or V)

NORD's standard keyed solid shafts include a centered threaded hole. When installing drive elements such as sprockets, coupling hubs, pulleys, etc. the threaded hole and a suitable assembly device can be used to assemble the drive element. Shafts are available as inch or metric versions.

Double Solid Output Shaft (L)

The standard solid shaft end is projected out both sides of the speed reducer. This option is commonly used to transfer torque out of both sides of the reducer or to mount a speed-monitoring device such as an encoder on one of the shaft ends. If you need the keyways to be alligned you must specify with NORD upon ordering.

Keyed Hollow Output Shaft (A)

NORD's standard keyed hollow shafts feature standard keyway dimensions and are available in both inch and metric designs. Many NORD reducers offer a variety of hollow shaft diameters.

Hollow Output Shaft with Spline (EA)

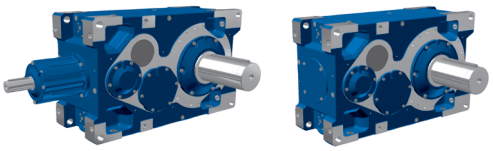
Hollow shafts with an involuted metric spline profile, according to DIN 5480, are available for some NORD hollow shaft reducers. NORD spline shafts are commonly used for crane travel drive applications.

Solid Output Shaft with Spline (EV)

Solid output shafts with an involuted metric spline profile, according to DIN 5480, are available for some reducers.

Solid Input Shaft with Spline (EW)

Solid output shafts with an involuted metric spline profile, according to DIN 5480, are available for some reducers.



Fixing Kits for Hollow Shafts (B)

Due to the slight oscillations inherent in any rotating shaft, NORD offers an optional “fixing kit”. This is a method to prevent the reducer from “walking out” of position. The kit includes all of the necessary parts to secure the shaft in the axial direction by using a tapped hole in the end of the mating male shaft.

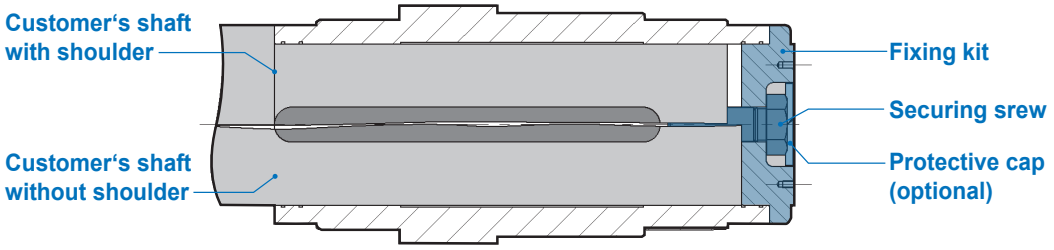
The fixing kits are used for assembling, dismantling and axial fixing to the customer’s shaft. The customer’s shaft may be with or without a shoulder.

The threaded rod, assembly nut and dismantling screw are not provided with the fixing kit option.

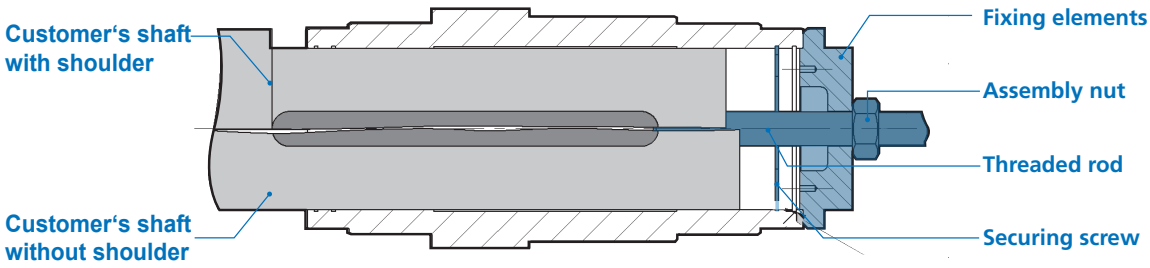
Specifications for use:

- The solid shaft that is used must have a tap according to our factory standards.
- Space must be available to fit the fixing kit. The permissible shaft dimensions can be found on the hollow shaft dimension pages for each individual gearbox size on pages ⇨📖200 & 332.

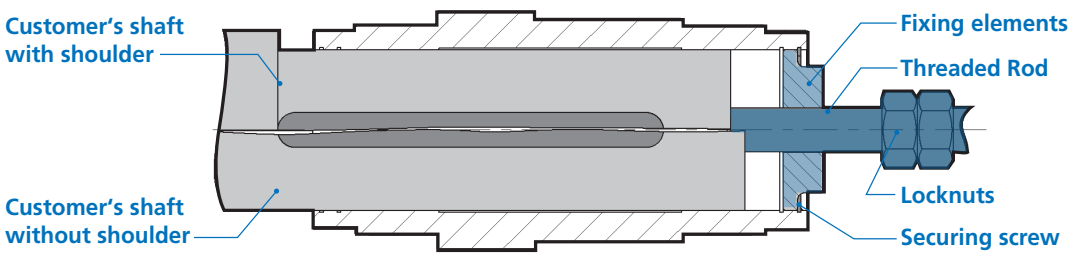
Installation (fixing)

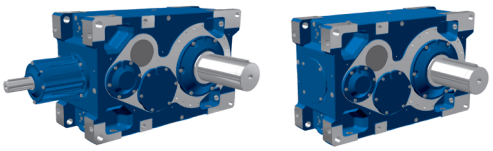


Assembly



Dismantling





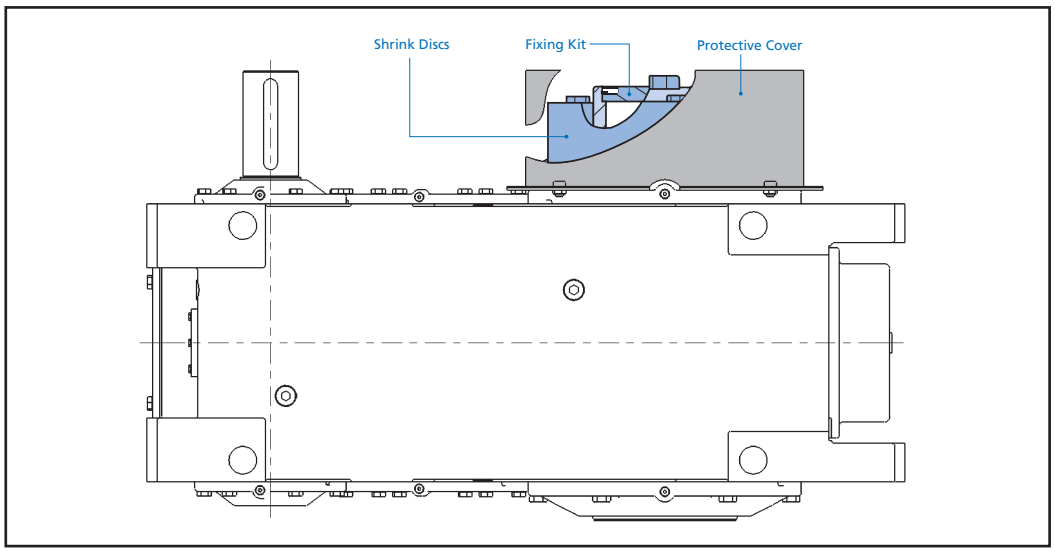
Hollow Shaft with Shrink disc (AS)

For gearbox versions with a hollow output shaft, the use of a shrink disc is advised. The customer's shaft length that may be inserted into the hollow shaft of the gearbox can be found ⇨🕮 200 & 332.

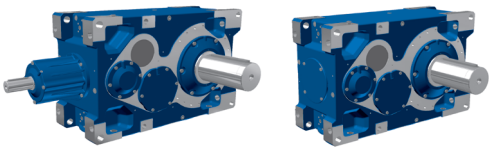
The diameter of the customer shaft should be according to ISO standard g_6 (dk>160mm) & h_6 (dk ≤ 160 mm). The material of the customer's insert must have a yield strength ($\mathbf{R_e}$) of at least: **52,260 psi (360 N/mm²)** Due to the clamping force, this will ensure that no permanent deformation occurs.

$\mathbf{T_{2max}}$ = Maximium permissible drive torque

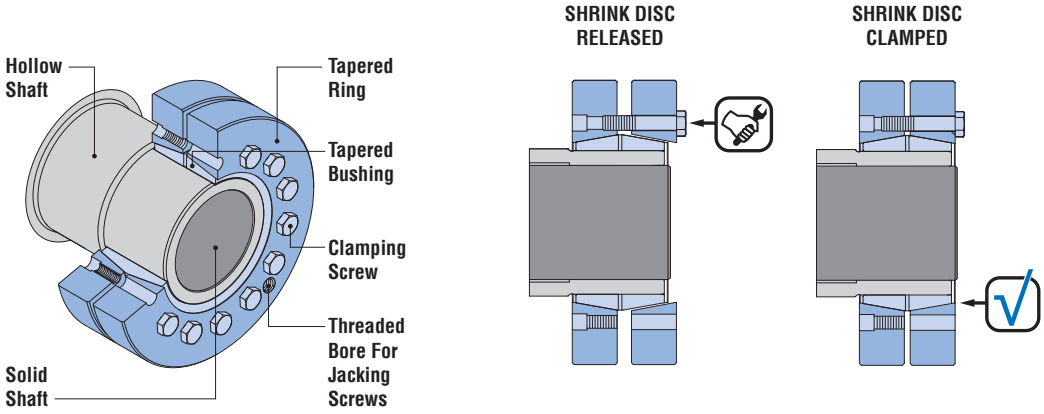
s = Safety factor of the shrink disc for fitclass g_6 or h_6 with T_{2max}



Gearbox				Shrink disc				Hexagonal bolt DIN 933 - 12.9
Type of gear unit				Type	T_{2max} [Nm]	T_{2max} [lb-in]	s	Type
SK 7207	ASH	SK 7407	ASH	160	25300	223900	2,1	M16
SK 7307	ASH	SK 7507	ASH		25300	223900	2,1	
SK 8207	ASH	SK 8407	ASH	160	30500	269900	1,9	M16
SK 8307	ASH	SK 8507	ASH		31000	274400	1,9	
SK 9207	ASH	SK 9407	ASH	190	41900	370800	2,5	M16
SK 9307	ASH	SK 9507	ASH		41600	368200	2,5	
SK 10207	ASH	SK 10407	ASH	190	48500	429300	2,1	M16
SK 10307	ASH	SK 10507	ASH		51300	454000	2,0	
SK 11207	ASH	SK 11407	ASH	220	74900	662900	2,4	M20
SK 11307	ASH	SK 11507	ASH		69600	616000	2,6	
SK 12207	ASH	SK 12407	ASH	240	98200	869100	2,4	M20
SK 12307	ASH	SK 12507	ASH		101400	897500	2,4	
SK 13207	ASH	SK 13407	ASH	280	137400	1216000	3,0	M24
SK 13307	ASH	SK 13507	ASH		141800	1255000	2,9	
SK 14207	ASH	SK 14407	ASH	280	190000	1681641	2,2	M24
SK 14307	ASH	SK 14507	ASH		190000	1681641	2,2	
SK 15207	ASH	SK 15407	ASH	300	234900	2079000	2,2	M24
SK 15307	ASH	SK 15507	ASH		242500	2146000	2,1	



Hollow Shaft with Shrink disc (AS)

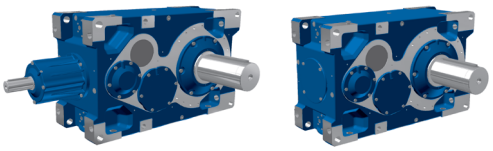


The Shrink disc is clamped and secure when the tapered ring and the stepped tapered bushing are flush with the screw-side face

Shaft Cover / IP66 Shaft Cover (H/H66)

The Shaft cover provides protection from rotating parts and the shrink disc when applicable.

The IP66 shaft cover provides the same protection from the shrink disc and rotating parts as well as being rated IP 66, which means that it is dust tight and capable of protecting against high pressure water jets.



Backstops (R)

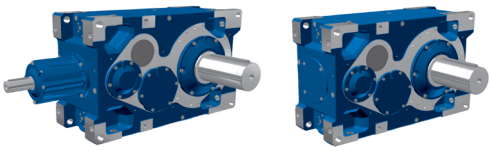
Optional backstops, which allow rotation in only one direction and block the other direction of rotation may be supplied. All backstops are mounted externally and are able to be changed without disassembly of the gear unit.

The lubrication of the backstop is provided by the oil from the gear reducer. The backstops lift off due to centrifugal force above a certain lift-off speed (see table) and are then free of friction.

Gearbox	Nominal Gear Ratio i_N	Lift-off speed n_1 [rpm]
SK 7207	7,1 - 25	400
SK 7307	28,0 - 315	430
SK 7407	18,0 - 100	1636
SK 7507	112 - 400	1759
SK 8207	8,0 - 28	400
SK 8307	31,5 - 355	430
SK 8407	20,0 - 112	1636
SK 8507	125 - 450	1759
SK 9207	7,1 - 25	320
SK 9307	28,0 - 355	400
SK 9407	18,0 - 100	1309
SK 9507	112 - 400	1636
SK 10207	8,0 - 28	320
SK 10307	31,5 - 400	400
SK 10407	20,0 - 112	1309
SK 10507	125 - 450	1636
SK 11207	5,6 - 20	320
SK 11307	31,5 - 112	400
	22,4 - 28	320
SK 11407	11,2 - 80	1140
SK 11507	112 - 400	1420
	80,0 - 100	1140
SK 12207	5,6 - 20	250
SK 12307	22,4 - 112	320
SK 12407	12,6 - 71	890
SK 12507	80,0 - 400	1140
SK 13207	5,6 - 20	250
SK 13307	22,4 - 112	320
SK 13407	12,6 - 71	890
SK 13507	80,0 - 400	1140
SK 14207	7,1 - 25	240
SK 14307	28,0 - 140	250
SK 14407	20,0 - 90	865
SK 14507	100 - 400	890
SK 15207	5,6 - 20	220
SK 15307	22,4 - 112	250
SK 15407	12,6 - 71	785
SK 15507	80,0 - 400	890

⚠ *IMPORTANT NOTE* ⚠

Please contact NORD if the motor input speed is greater than 1800 rpm or less than 1000 rpm.

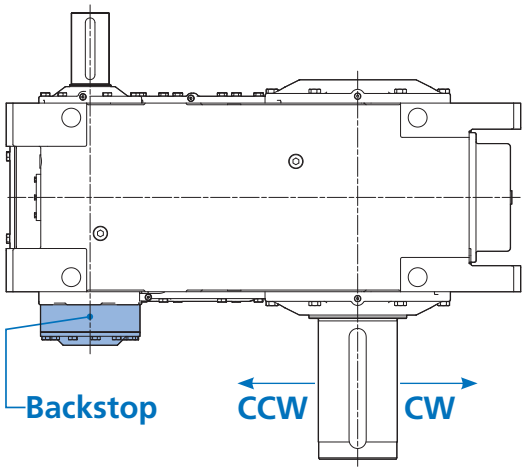


Backstops (R) (rotation)

When ordering the backstop option, the direction of rotation must be specified. The direction of rotation is based upon looking directly at the drive shaft and specifying which direction you want it to turn.

CW = Clockwise direction of rotation, Right-hand rotation
CCW = Counterclockwise direction of rotation, Left-hand rotation

The position of the output shaft and the side on which the backstop is installed determine the direction of rotation. The direction of view for declaring the rotation direction is always towards the output shaft that is being specified.

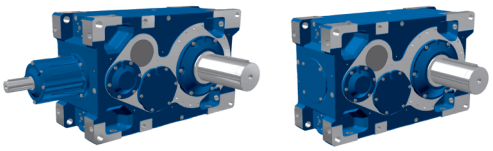


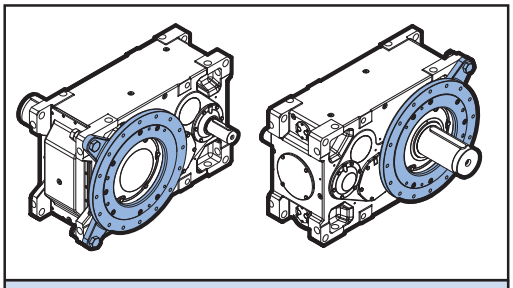
⚠ IMPORTANT NOTE ⚠

The backstops are designed for double the rated gearbox torque (T_{2max}) with reference to the output shaft. If greater safety ratings are required, please consult NORD.

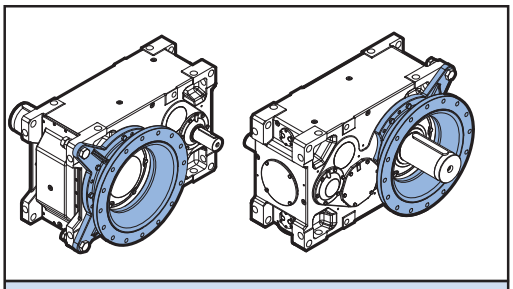
⚠ WARNING ⚠

Danger of failure and distruction. Check the direction of rotation of the motor and the gearbox before starting up your application. Arrows on the gearbox indicate the direction of rotation.





Low output flange (F) (B14 Flange with threaded holes)



High output flange (FK) (B5 Flange with through holes)

Output flanges (F, FK)

In addition to the six mounting surfaces of the housing, the gearbox may be equipped with various mounting flanges. The output flange is designed to accommodate mounting a gearbox with an attached motor. However, the permissible motor weights (⇨📖 76) must not be exceeded.

Please contact us if you wish to use the mounting flange in order to attach to parts of an application process. In this case, technical clarification is essential.

The following types of output flanges are available:

- Low output flange (F)
- High output flange(FK)
- VL2 / VL3 flange (Reinforced Output Design)
- VL4 flange (Reinforced Output Design)
- VL6 Housing (Reinforced Output Design)

Low Output Flange (F)

The F option is a B14 output flange for the connection to customers application. It is used if threaded holes are requested.

High Output Flange (FK)

The option FK is a B5 output flange for the connection to customers application. It is used if through holes are requested.

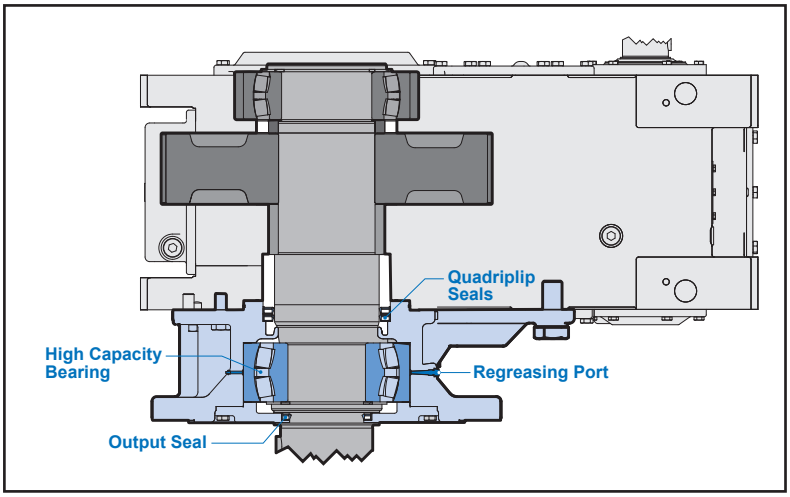
Reinforced output design (VL2 / VL3 / VL4 / VL6)

The reinforced output design is specifically designed for high radial loads as well as keeping the bearing cavity dry and without contamination. There are different levels of protection that NORD offers.

Spread Bearing Design (VL2)

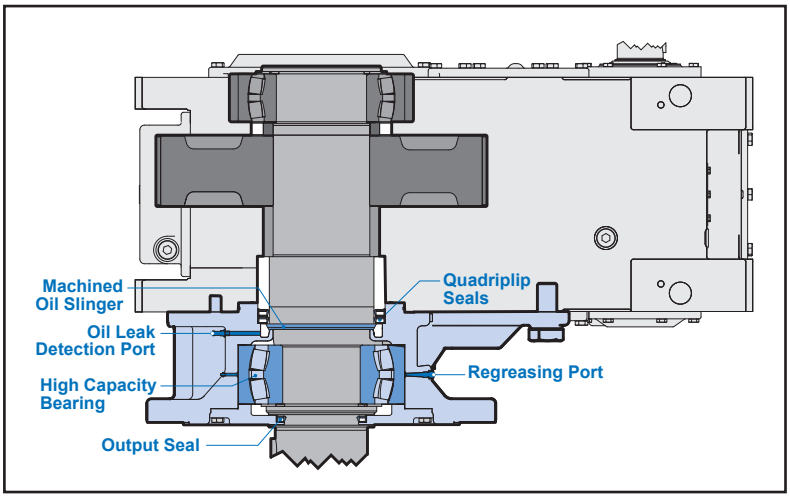
The VL2 option is specifically designed for agitator or mixer applications requiring increased bearing load carrying capacities.

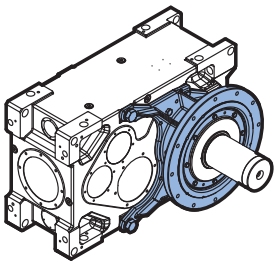
NORD offers reinforced output shaft bearings with increased bearing distance. the lower bearing is a oversized, double row spherical bearing, which absorbs high overhung and thrust loads, while providing a longer bearing service life. The spherical roller bearing is especially useful in compensating for alignment errors in long agitator shafts. Included with the VL2 design is a grease fitting for the lower bearing and a removeable plug to allow excess grease to purge from the bearing cavity.



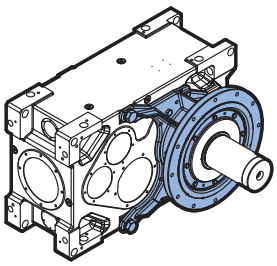
Spread Bearing Design with Oil Safe Dry Cavity (VL3)

The VL3 dry cavity design adds additional oil leak protective measures to the VL2 spread bearing design. If in any case oil does leak past the reducer seals, it would flow down to the oil slinger mounted onto the shaft. As the shaft rotates, the oil will sling off into the dry cavity and is detected by an oil sensor.





Spread Bearing Design (VL2)



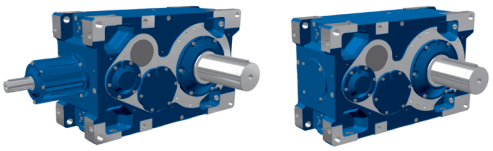
Spread Bearing Design with oil safe dry cavity (VL3

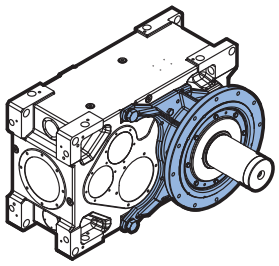
⚠ IMPORTANT NOTE ⚠

Calculation of the bearing life on request.

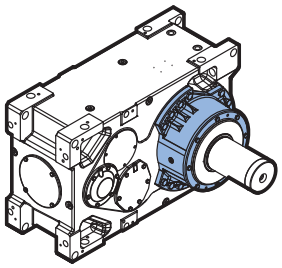
For bearing life calculation we require the following data:

P_1	Input power	[kW/Hp]
n_2	Output speed	[rpm]
F_T	Axial force (thrust)	[N/lb]
F_{OHL}	Radial force	[N/lb]
	Distance of the point of action of the radial force from the flange support	[mm]
	Required bearing life	[mm]





Spread Bearing Design with Drywell (VL4)



Spread Bearing Design, with Drywell, without Flange (VL6)

IMPORTANT NOTE

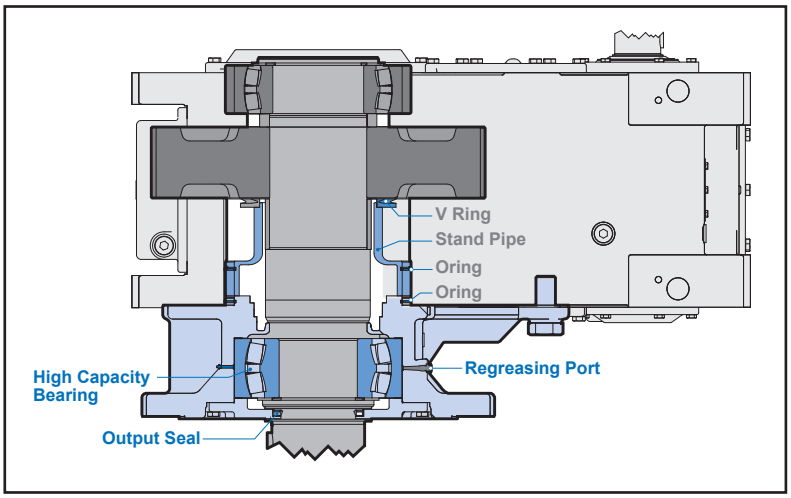
Calculation of the bearing life on request.

For bearing life calculation we require the following data:

P_1	Input power	[kW/hp]
n_2	Output speed	[rpm]
F_T	Axial force (thrust)	[N/lb]
F_{OHL}	Radial force	[N/lb]
	Distance of the point of action of the radial force from the flange support	[mm]
	Required bearing life	[mm]

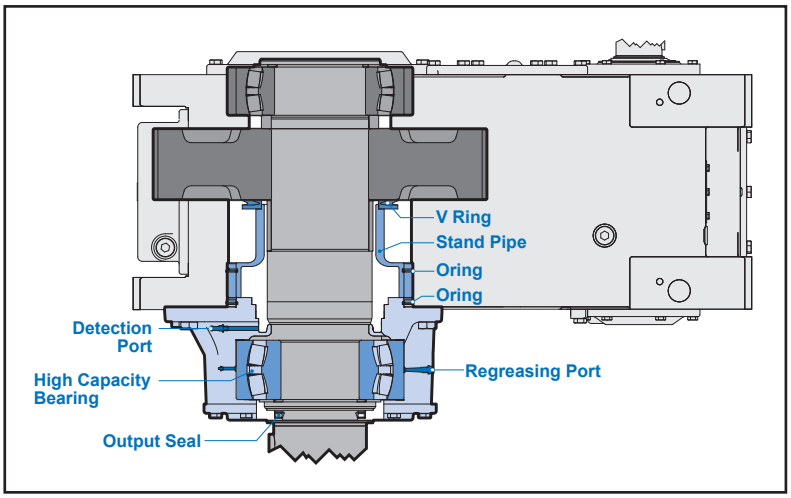
Spread Bearing Design with Drywell (VL4)

The VL4 Drywell design adds additional oil leak protective measures to the VL3 design. The quadrilip seals are replaced with a standpipe that has additional sealing that includes a V-ring seal and multiple O ring seals. All of the additional benefits included in the VL3 option are also included in this design.



Spread Bearing Design with Drywell, Without Flange (VL6)

The VL6 option includes all of the internal VL4 design elements but is housed by a bolt on non-flanged cover.



Torque Support (D) (ED)

For shaft mounted versions of our hollow shaft gearboxes, torque supports are available. In addition to a simple torque support (D), NORD offers a torque support with an integral elastic bushing (ED), which has better damping characteristics (vibration damping).

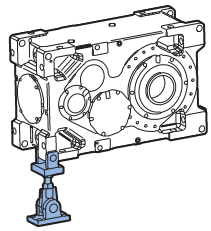
The torque support should be assembled on the machinery side, in order to keep the bending moment on the machinery shaft low. Loading under tension or compression and installation upwards or downwards are permissible. The torque support may only be installed closest to the input side, otherwise the permissible loading of the gear unit will be exceeded.

Preloading the torque support during installation or operation must be avoided, otherwise the life-span of the drive shaft bearings may be reduced. Torque supports are not suitable for the transmission of radial forces, therefore may only be used in direct-coupled applications that cannot transmit the specified radial forces.

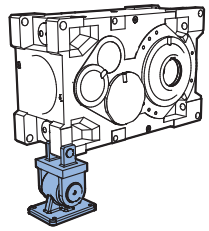
⚠ WARNING ⚠

The output torque must be limited to the values shown in the table below. If greater torque ratings are necessary, please consult NORD.

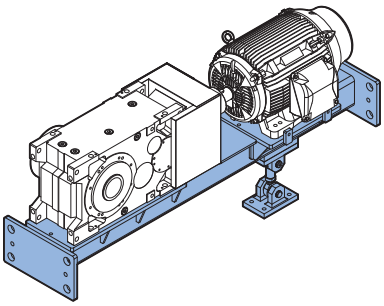
Gear Units	M_{2MAX} [Nm]	
	Type D	Type ED
SK 7..07	25.000	23.500
SK 8..07	31.000	25.000
SK 9..07	40.000	42.000
SK 10..07	41.000	46.500
SK 11..07	66.000	66.000
SK 12..07	101.000	74.000
SK 13..07	131.000	150.000
SK 14..07	170.000	190.000
SK 15..07	240.000	240.000



Standard Torque Support (D)



Elastic Torque Support (ED)



Motor Swing Base (MS) or Base Frame (MF)

Motor Swing Base (MS)

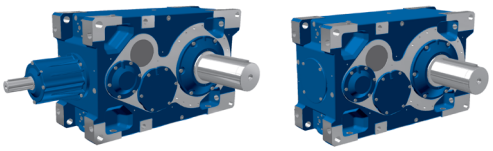
The motor swing base is designed specifically for use with right-angle shaft mounted gear unit where the gearbox and motor are mounted on a common base frame. The torque is taken up via torque support or torque reaction arm.

Optional components (can be combined):

- Elastic coupling, fluid coupling
- Drum brake, disc brake
- Radial / Axial fan
- Auxiliary drive
  (with freewheel coupling, backstop, motor brake , etc.)
- Torque support, attachment plate

Motor Base Frame (MF)

Motor base frames (or motor bases) are similar to a motor swing base except the entire base frame is intended to be foot mounted to the supporting machine structure.



Swing Base with Brake (MSB) & Base Frame with Brake (MFB)

A motor swing base or base frame can be supplied with an optional disc or drum brakes installed between the motor and the gear unit.

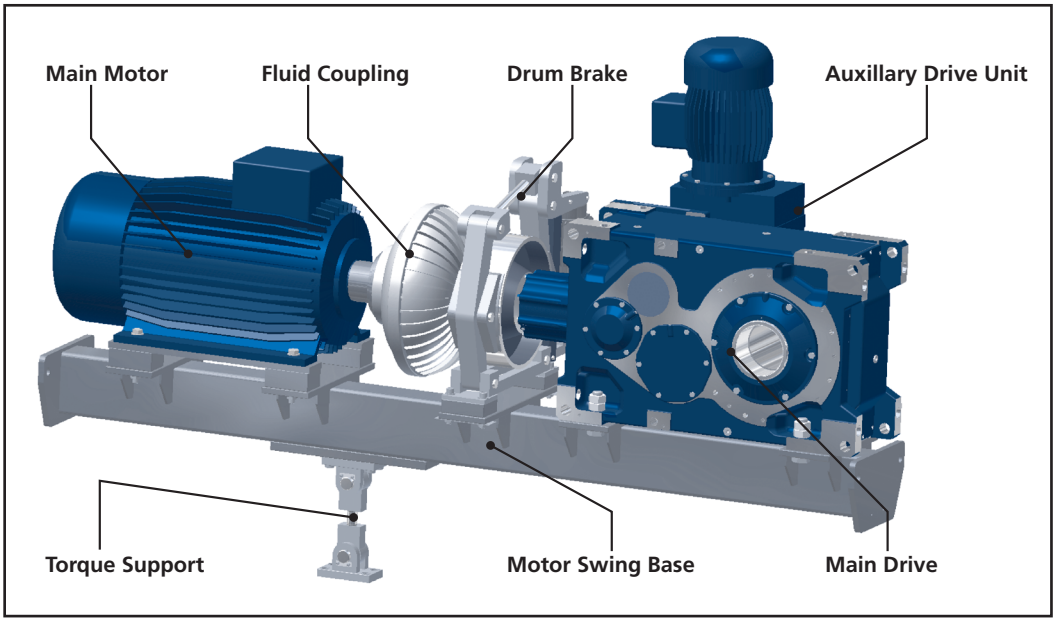
For applications with a relatively high external moment of inertia (maf > 2), as often the case with travelling drives, slewing gear, turntables, gate drives, agitators and surface ventilators, it is recommended that a brake torque be selected that is no greater than 1.2 times the nominal torque of the motor.

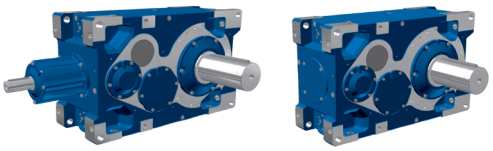
When a higher brake torque is required this must be considered in the selection of the gear unit. Please consult NORD. Also contact NORD if an output-side brake is necessary.

Motor Swing Base and Motor Base Options (MSK, MST, MFK, MFT)

Both the motor swing base and the motor base are commonly supplied with either an elastic input coupling or a fluid coupling. In addition, many drive packages require a brake between the motor and the input-side of the reducer. The most common motor swing base or motor base options may be specified as follows:

Description	Option Code
Swing base with elastic coupling	**MSK**
Motor base with elastic coupling	**MFK**
Swing base with elastic coupling and brake	**MSKB**
Motor base with elastic coupling and brake	**MFKB**
Swing base with fluid coupling	**MST**
Motor base with fluid coupling	**MFT**
Swing base with fluid coupling and brake	**MSTB**
Motor base with fluid coupling and brake	**MFTB**





Couplings (input and output)

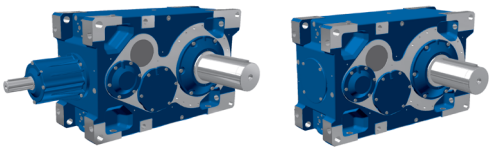
Upon request, NORD can provide a variety of coupling types and styles. In addition to various flexible, fail-safe couplings (Jaw coupling: e.g Rotex, Polynorm / Bolt coupling: e.g. Revolex KX-D) soft-start couplings (fluid couplings), and safety couplings (e.g. Autogard) can be supplied. As output couplings, short length elastic fail-safe bolt couplings can be supplied, as well as gear couplings which can also span greater distances. Please contact us if you have special requirements for input or output couplings.

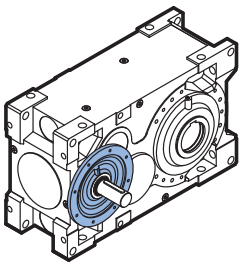
- Common input couplings include: flexible, jaw-style, fluid couplings (to help control start-up), safety couplings or torque-overload couplings.
- Common output couplings include: elastic bolt couplings (for shorter span lengths), flange couplings or gear couplings (for larger span lengths).

Brakes

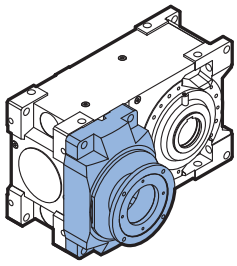
For motor swing bases and base frames optional disc or drum brakes are available, which can be installed between the motor and the gear unit. However, there is also the possibility of installing the disc brake on the free end of an input shaft. For applications with a relatively high external moment of inertia (maf > 2), such as is often the case with travelling drives, slewing gear, turntables, gate drives, agitators and surface ventilators it is recommended that a brake torque is selected, which is no greater than 1.2 times the nominal torque of the motor.

If higher brake torques are to be used, this should be taken into account in the selection of the gear unit. In this case, please contact us. Please contact us if output brakes are necessary. (Disc brakes, drum brakes)

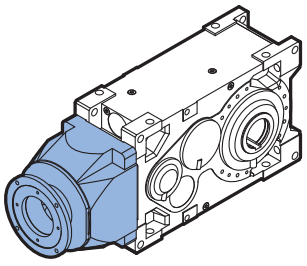




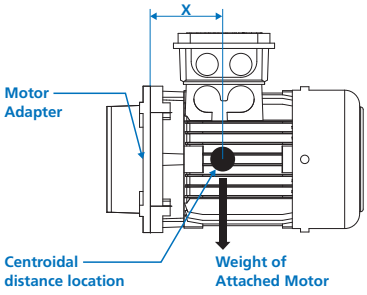
Input Flange (F1)



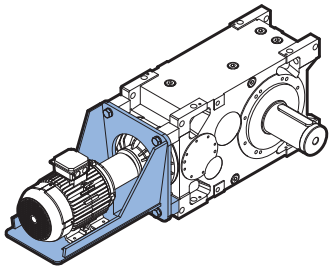
Parallel Gear Unit and NEMA/IEC



Right-Angle Gear Unit and NEMA/IEC



IEC/NEMA with Elastic Coupling "X" diagram



Motor Scoop (MC)

Input Flange (F1)

Gear units with input flange and solid-shaft input can be supplied to allow for additional drive components to be attached to the input (high speed) side of the reducer. It is possible to use the input flange to install an accessory such as a disc brake or a torque overload or to install an additional gear reduction mechanism to the main reducer.

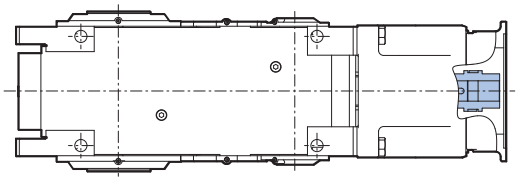
Direct motor attachments & IEC/NEMA adapters

Input adapters according to NEMA/IEC and Transnorm standards can be supplied. The maximum input power stated in the power and ratio tables cannot be exceeded.

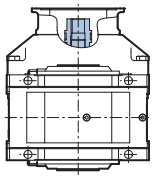
For higher speeds than those stated in the power and ratio tables, special measures may be necessary. In these situations please contact NORD Gear.

Motor attached to IEC/NEMA adapter cylinders with an elastic coupling

Right Angle Drives



Parallel Drives



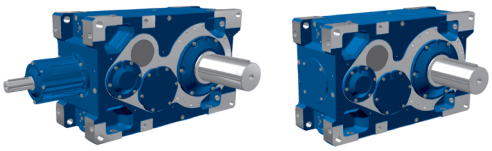
Maximum permissible motor weight paired with an elastic coupling according to size															
NEMA		**56C**	**143T**	**145T**	**182T**	**184T**	**210T**	**250T**	**280T**	**324T**	**326T**	**365T**	**405T**	**445T**	**449T**
lb		66	88	110	132	176	220	440	550	770	1100	1540	2200	3370	4630
kg		30	40	50	60	80	100	200	250	350	500	700	1000	1500	2100
"X"	100	100	130	160	190	175	190	250	300	330	380	400	465	610	610
IEC	**63**	**71**	**80**	**90**	**100**	**112**	**132**	**160**	**180**	**200**	**225**	**250**	**280**	**315**	
lb	55	66	88	110	132	176	220	440	550	770	1100	1540	2200	3370	
kg	25	30	40	50	60	80	100	200	250	350	500	700	1000	1500	
"X"	100	100	130	160	190	175	190	250	300	330	380	400	465	610	

If the centroidal distance is larger than "X", the maximum permissible weight must be linearly reduced. The maximum weight cannot be increased, even if the "X" dimension is smaller. Please refer to diagram on the left.

If the motor weight is greater than the gearbox weight please contact NORD.

Motor Scoop (MC)

The motor scoop provides a “soft” mounting” for a standard NEMA T-frame or IEC B3 footed motor. The motor bracket or scoop is mounted to the gear unit in a cantilevered fashion to allow direct-coupling of the motor to the reducer’s input shaft. Motor scoops can have the tendency to deflect or twist during reducer operation and in some cases vibrations may result that exceed those considered acceptable for rigid “hard” mounted machinery. The motor size, weight, location, and starting torque all need to be considered in order to provide an adequate design.



Motor Bracket (MT)

The motor bracket provides a convenient way to mount a standard NEMA T-frame or IEC B3 footed motor with belt drive to the reducer. Often the motor bracket is mounted “over-the-top” of the reducer and referred to as a “top-mount” or “piggyback” motor bracket.

The motor is belt driven to the reducer input shaft using pulleys mounted to both the motor shaft and the reducer shaft. When mounted to the gear unit, the entire assembly is adjustable in order to allow proper tensioning of the external belt drive assembly. The motor bracket can be used when installation space is restricted or it may be used to change the total ratio of the mechanical drive assembly. The belt-pulley drive arrangement can be used as a safety element, as it reacts to overload by slipping. Factory consultation is necessary if one intends to use the belt-pulley drive as a safety device.

Auxiliary drives (WX)

The auxiliary drive is flange-mounted to the side face of the main right angle reducer, opposite the low speed shaft, using an intermediate flange and shaft connection. The connection between the main drive and the auxiliary drive is assembled with an overrunning clutch. During normal operation of the main drive, the clutch is disengaged. When it becomes necessary to operate the system at slow speed or “inch” the main reducer, the main motor is stopped and auxiliary motor and reducer engage the main drive through the overrunning clutch connection.

The auxiliary drive or inching drive is available to allow for the inspection and maintenance of belts and buckets and to allow for slow speed operation of conveyors or elevators that operate in cold-weather. The auxiliary drive should be equipped with a brake or brake motor in order to prevent unintended rotation or back driving.

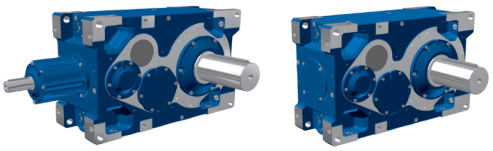
The following auxiliary drive options are available :

- with overrunning clutch and backstop assembled in the intermediate flange to prevent reverse rotation of the system (standard design).
- with overrunning clutch in the flange and separate backstop as part of the main drive to prevent reverse rotation of the system.
- with overrunning clutch assembled in the intermediate flange and no backstop to prevent reverse rotation of the system.

Monitoring devices and sensors (MO)

The following monitoring devices are also available as options. Please contact us for detailed information about any of the oprtions listed below.

- Oil sight glass
- Oil level glass
- Oil dip-stick
- Pt100 (Temperature)
- PTC thermistor (Temeperature)
- Bimetal switch (Temperature)
- Particle counter (oil)
- Water content (oil)
- Electrical contamination indicator for oil filter
- Optical contamination indicator for oil filter
- SPM nipple (vibrations)
- Bearing condition monitor with evaluation unit
- Oil condition monitoring
- Pressure monitoring (oil circulation)
- Other options available upon request



Paint Coatings

NORD has a variety of paint coating options available in order to protect your investment regardless of the application's environment. Please refer to the table below for details:

MAXXDRIVE™ Paint Coating Options

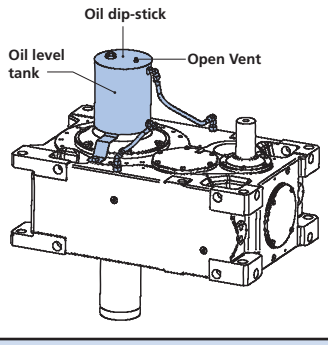
Type	Version	Film Thickness		EN 12944 Corrosion Category	Recommended use
		TFD [µm]	TFD total [µm]		
F1	1 x 1-K dip-primed, red-brown (cast iron components) and 1 x Two-shot polyurethane primer (2-K-PUR primer)	40 60	60-100	--	Top coat to be applied by the customer
F2	1 x 1-K dip-primed, red-brown (cast iron components) and 1 x 2-K polyurethane (2-K-PUR)HS finishing coat	40 50	50-90	C2	For indoor installation with normal climate conditions
F3.0	1 x 1-K dip-primed, red-brown (cast iron components) and 1 x Two-shot polyurethane primer (2-K-PUR primer) and 1 x 2-K polyurethane (2-K PUR)HS fi nishing coat	40 60 50	110-150	C2	For indoor and outdoor installation with low environmental contamination
F3.1	1 x 1-K dip-primed, red-brown (cast iron components) and 1 x Two-shot polyurethane primer (2-K-PUR primer) and 2 x 2-K polyurethane (2-K PUR)HS fi nishing coat	40 60 2X50	160-220	C3	For outdoor installation, city and industrial atmosphere with low contamination
F3.2	1 x 1-K dip-primed, red-brown (cast iron components) and 1 x Two-shot EP zinc phosphate primer and 1 x Two-shot polyurethane primer (2-K-PUR primer) and 2 x 2-K polyurethane (2-K PUR)HS fi nishing coat	40 50 60 2x50	210-250	C4	For outdoor installation, urban and industrial atmospheres with moderate environmental pollution
F3.3	1 x 1-K dip-primed, red-brown (cast iron components) and 2 x Two-shot EP zinc phosphate epoxy primer and 2 x 2-K polyurethane (2-K PUR)HS fi nishing coat	40 2x50 2x50	200-240	C5	For outdoor installation, urban and industrial atmospheres with high environmental pollution
F3.4	1 x 1-K dip-primed, red-brown (cast iron components) and 1 x Two-shot EP zinc phosphate epoxy primer and 1 x ALEXIT chemical resistant final coat	40 50 50	100-140	--	For normal chemical exposure
F3.5	1 x 1-K dip-primed, red-brown (cast iron components) and 1 x Two-shot EP zinc phosphate epoxy primer and 1 x ALEXIT final coat	40 50 50	100-140	--	Machinery for foodstuffs packaging
A	Additional anti-microbial coating for all paints types except F3.4 & F3.5	40			
Z	Compensation of contour depressions & crevices with seam sealer over polyurethane.				

1-K = single component 2-K = two-component, TFD = Dry film thickness max. [µm], HS = high solids

Oil Tank (OT)

Sometimes the gearbox must be completely filled with oil in order to prevent excessive foaming and aeration while also preventing excessive pressure build-up or a critical loss in oil volume through the air vent or shaft seals. The oil tank must be located above the gear unit. Even at non-operating ambient conditions, a small amount of oil should be visible in the bottom of the oil reservoir. During operation, all critical bearing and gear areas are submersed in oil, especially the high-speed gear set. This prevents oil foaming.

The oil tank is vented and includes two flexible oil hoses that are connected to the gear unit in order to assure proper ventilation and passive oil circulation. Prior to start-up the oil level must be topped off and checked using the oil level dipstick that is part of the oil tank.



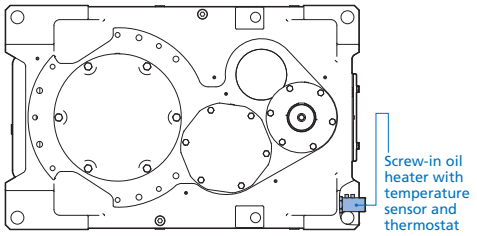
Oil Tank (OT)

⚠ IMPORTANT NOTE ⚠

When the following conditions exist consult NORD in order to determine if an Oil Tank (OT) option is needed:

- Parallel shaft unit with motor or input shaft vertical-up (M5 or M6 mounting position)

If a vertical mounting position is also required please reference the vertical mounting information found on page ⇨🕮 8



Oil Heater (OH)

Oil heater (OH)

In case the ambient temperature is lower than what is permissible , the gear oil must be heated prior to a cold start, in order to ensure an adequate supply of lubricant. For these conditions, an oil heating cartridge may be installed into the gearbox.

The oil heater has both a temperature sensor and a thermostat, which is pre-set. Further variations are available on request.

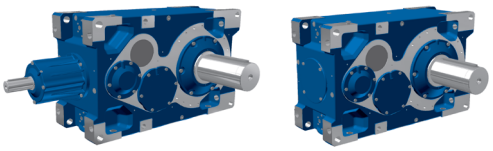
If pressure circulation lubrication is used, the operational viscosity of the gear oil on start-up must be below 1800 cSt. For ISO-VG220 this corresponds to a temperature of at least (50°F) 10°C for mineral oil, and a temperature of at least (32°F) 0°C for synthetic oil. Below this range an oil heater must be used.

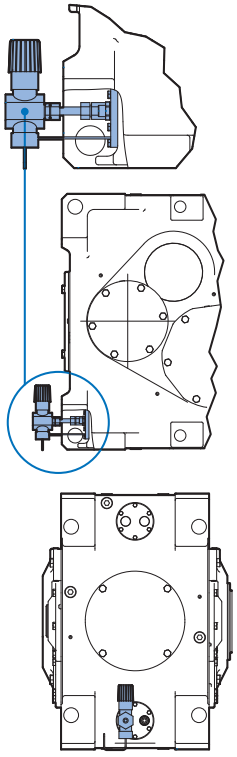
⚠ WARNING ⚠

The oil heater must be fully immersed in the oil bath in order to prevent damage. Please contact NORD if there is a need for an oil heater to be used in combination with pressure forced lubrication. (LC/LCX) More info on page ⇨🕮 81.

Oil Heater Compatibility

	M1 Mounting			M3 Mounting	
	600 W	800 W	900 W	800 W	1500 W
SK 7..07	x			x	
SK 8..07	x			x	
SK 9..07	x			x	
SK 10..07	x			x	
SK 11..07	x			x	
SK 12..07	x			x	
SK 13..07		x			x
SK 14..07			x		x
SK 15..07			x		x





Internal Water Cooler (CC)

The internal water cooler is a cooling coil inside the gearbox, located in the oil sump, where the end user connects the coil to a suitable water supply. Two cooling coils may be installed for mounting positions M2, M4, M5, M6 and with complete oil filling on request.

With two coiling coils installed the thermal rating can be doubled.

⚠ WARNING ⚠

- Integrated water cooling can be used for oil splash and immersion lubrication, however, not with pressure circulation lubrication.
- The cooling element must be completely submerged in the oil bath.

As an option, mechanical and electrical solutions for controlling the flow of cooling water are available. This allows the water consumption to be regulated by the actual required cooling power.

⚠ IMPORTANT NOTE ⚠

Sea water-resistant integrated cooling is available on request. Consultation with NORD is necessary in case of any other aggressive cooling media.

Connection of the Internal Water Cooler

Temperature-controlled cooling water with quantity regulation and a temperature sensor (optional).

Operating Conditions

Water inlet temperature:	68° F	20° C
Oil temperature:	221° F	105° C
Ambient temperature:	68° F (104° F)	20° C (40° C)
Flow rate:	maximum: 1 -3.2 g/min	maximum: 4 -12 l/min
Pressure drop of cooling water	approx. 7.25-14.5 psi*	approx. 0.5 - 1 bar*

*** maximum pressure of cooling water is 87psi/6 bar**

For other operating conditions, corrections to the specified thermal power limit must be taken into account.

Optional:
Temperature-controlled flow regulator to control the rate of water flow.

⚠ IMPORTANT NOTE ⚠

For low temperatures the internal water cooler may also be used as an oil heater by filling it with warm water before starting up the gearbox .

Pressure Forced Lubrication (LC/LCX)

With pressure or forced lubrication, a pump (shaft driven or motorized) is provided, which allows a relatively low oil level to be maintained. The pump and oil distribution lines deliver the oil to all critical gear and bearing areas. Oil levels may be lowered, even compared to standard splash oil levels. This type of lubrication is advisable for the following operating conditions:

- When splash or bath lubrication is not possible or not thermally advantageous.
- When high input speeds are present and the speed limit for other lubrication methods
  are being exceeded (based on size, ratio and mounting).
- If a drywell is required with a vertical output shaft.
- If input speeds are below 1000 rpm.

There are two available forced lubrications system options, LC & LCX. The LC option only forces lubrication into the bearing cavities while the LCX option provides pressurized lubrication to the bearings as well as gearing.

⚠ IMPORTANT NOTE ⚠

Consult NORD when considering either bath lubrication or pressure lubrication so that appropriate options and accessories can be recommended.

Pressure Switch

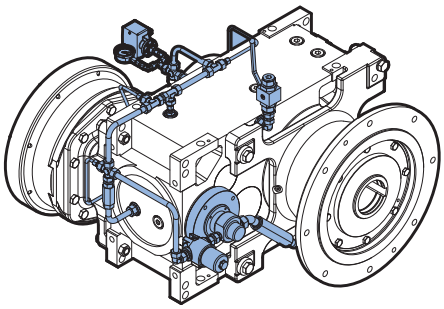
All gearboxes with a pressure lubrication are equipped as standard with a pressure switch for monitoring the pump function. The connection of the pressure switch and the evaluation of the signal are carried out by operator. The pressure switch signal has to be handled after the oil pump building up pressure. During start-up, a brief period of low pressure is allowed while the pump is building pressure.

The pressure switch is an electrical switch for monitoring of the lubrication pressure at gear units with pressure lubrication. If the preset pressure is undercut, the applied electric signal will be interrupted by the pressure switch which can be handled by customers monitoring system.

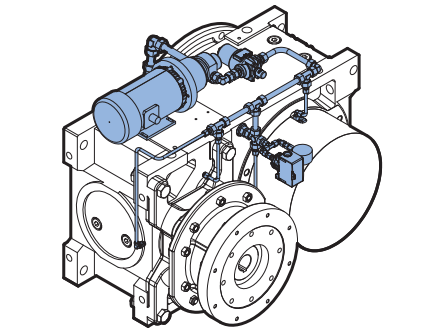
⚠ WARNING ⚠

To eliminate the possibility of gearbox damage due to unsufficient lubrication pressure please read and adhere to the following reccomendations:

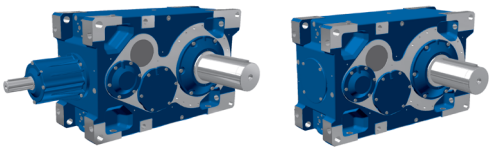
- The pressure switch must be connected and fully functional prior to start-up
- The pressure switch may only be provided with an appropriate monitoring system



Pressure Forced Lubrication (LCX) - Shaft Driven



Pressure Forced Lubrication (LC) - Motor Driven



External Cooling Units

In order to increase the thermal power capacity of the MAXXDRIVE™ gear unit, NORD has standard oil cooling/lubricating systems designed. These designs are readily available and offer a good price/performance ratio. The basic elements consist of a circulating oil pump and heat exchanger mounted on a mounting platform or base. An optional oil filter with visual contamination indicator is also recommended in most all cases.

If other forms of reducer cooling (convection, shaft fan, water cooler, etc.) are not sufficient or not desired a standard oil cooler option can be supplied. Nord offers oil/water (CS1) and oil/air (CS2) oil coolers with a variety of optional accessories.

Optional accessories:

- Thermometer.
- Pressure switch.
- Manometer.
- Optical status monitoring.
- Electrical status monitoring.
- Oil Filter.
- Filter with bypass.
- Particle counter.

Standard operating parameters:

- Water temperature (if applicable): 20°C (68°F)
- Maximum oil temperature: 105°C (225°F).
- Ambient temperature: 20°C (68°F) or 40°C (104°F).

Please consult NORD if there are additional cooling system requirements or requests.

Determining the Required Oil Cooler Size

There are two methods of determining the required oil cooler size, depending upon whether the oil cooler must provide all the cooling capacity for the gear unit or whether the oil cooler provides supplemental cooling.

Method 1 – Oil Cooler Provides All the Cooling Capacity

1. Determine the required oil cooling power as follows:

$$P_{CS} = P_1 \cdot (1-\eta_N)$$

P_{CS} = The required cooling power of the oil cooling system
P_1 = Installed motor power or required input power to the gear unit
η_N = Nominal gear reducer efficiency (in decimal form)

2. Select an oil cooler by applying the following criteria:

$$Q_{CS} \geq P_{CS} \cdot (1-\eta_N)$$

Q_{CS} = The cooling power capacity of the selected oil cooling system
P_{CS} = Required cooling power of the oil cooling system
η_N = Nominal gear reducer efficiency

Method 2 – Oil Cooler Provides Additional/Supplemental Cooling Capacity

1. Determine the required oil cooling power as follows:

$$P_{CS} = (P_1-P_{wg}) \cdot (1-\eta_N)$$

P_{CS} = The required cooling power of the oil cooling system
P_1 = Installed motor power or required input power to the gear unit
P_{wg} = Calculated thermal power capacity with an additional cooling method (see 19)
η_N = Nominal gear reducer efficiency (in decimal form)

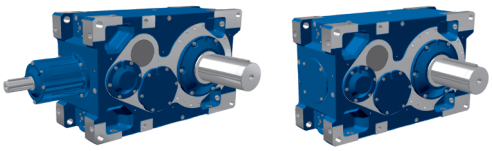
2. Select an oil cooler by applying the following criteria:

$$Q_{CS} \geq P_{CS} \cdot (1-\eta_N)$$

Q_{CS} = The cooling power capacity of the selected oil cooling system
P_{CS} = Required cooling power of the oil cooling system
η_N = Nominal gear reducer efficiency

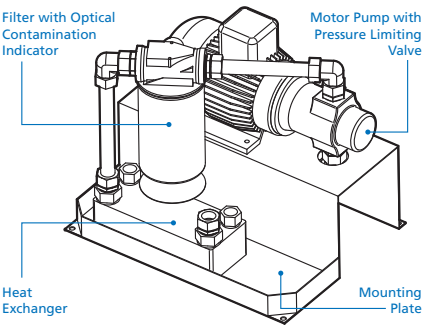
⚠ IMPORTANT NOTE ⚠

The oil cooler thermal power limits shown in the respective tables are based upon standard installation and operating conditions (⇨🕮 9) for the case when the oil cooler must provide all the cooling capacity for the gear unit.



External oil / water cooler (CS1)

The oil/water cooling system is available with all gear units and is delivered seperately and mounted by the customer. NORD supplies a pair of 2m flexible hoses for connection to the gearbox and the cooling system. Upon request, NORD is able to mount the cooling system onto any mounting surface for the customer and the oil filter would need to be rotated into a suitable position upon delivery.



⚠ IMPORTANT NOTE ⚠

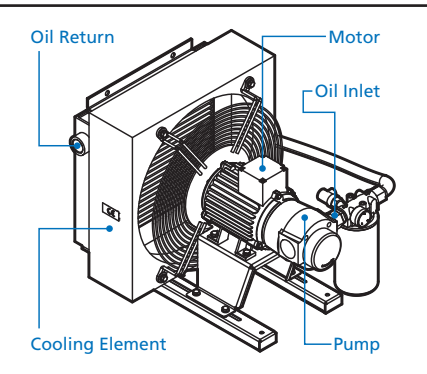
Additional measuring devices for the cooling system are available upon request.

CS1 Cooler Specifications

CS1 Oil Cooler Size	Cooling Power Q_{CS}		Water Flow Rate V_W		Oil Flow Rate V_{OI}		Water Inlet Temp. $t_{W.ein}$		Pump Motor Power	
[-]	[kW]	[hp]	[l/min]	[gpm]	[l/min]	[gpm]	[°C]	[°F]	[kW]	[hp]
A	3,0	4,02	5	1,32	11	2,91	20	68	0,55	0,74
B	7,0	9,39	10	2,64	22	5,81	20	68	1,5	2,01
C	10,5	14,08	10	2,64	22	5,81	20	68	1,5	2,01
D	13,0	17,43	10	5,28	44	11,62	20	68	1,5	2,01
E	16,5	22,13	20	5,28	44	11,62	20	68	1,5	2,01
F	23,0	30,84	20	5,28	44	11,62	20	68	1,5	2,01
G	31,5	42,24	40	10,57	87	22,98	20	68	3,0	4,02
H	50,0	67,05	40	10,57	87	22,98	20	68	3,0	4,02

External oil / water cooler (CS2)

If cooling water is not available and other forms of cooling (convection, fan, etc.) are not sufficient or desired, an oil/air cooler can be supplied. The oil/air cooling system is available for all gear units and is delivered by NORD seperately and mounted by the customer. NORD supplies a pair of 2m flexible hoses for connection to the gearbox and the cooling system. Upon request, NORD is able to mount the cooling system onto any mounting surface in a horizontal mounting orientation before delivery.

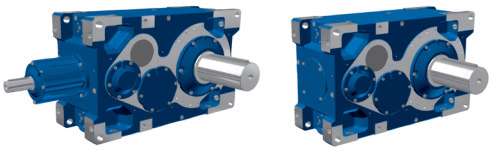


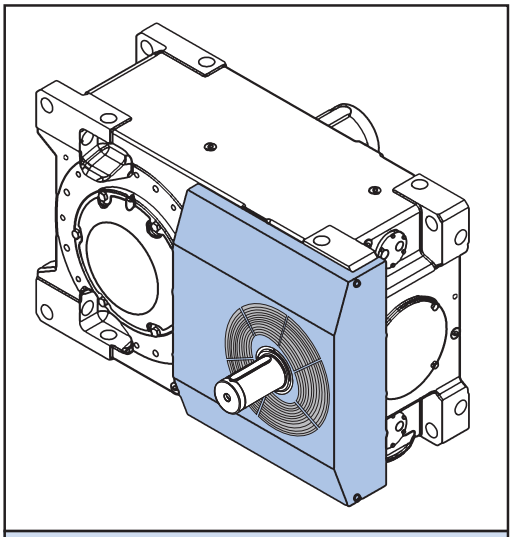
CS2 Cooler Specifications 50Hz

CS2 Oil Cooler Size	Cooling Power Q_{CS}		Oil Flow Rate $V_{öl}$		Water Inlet Temp. $t_{W.ein}$		Pump Motor Power	
-	[kW]	[hp]	[rpm]	[gpm]	[°C]	[°F]	[kW]	[hp]
A	4,0	5,36	11	2,91	20	68	1,1	1,48
B	6,7	8,98	22	5,81	20	68	1,5	2,01
C	11,2	15,02	22	5,81	20	68	1,5	2,01
D	14,4	19,31	44	11,62	20	68	3,0	4,02
E	17,8	23,87	44	11.62	20	68	3,0	4,02
F	22,2	29,77	44	11,62	20	68	3,0	4,02
G	40,8	54,71	87	22,98	20	68	4,0	5,36
H	50,6	67,86	70	18,49	20	68	4,0	5,36

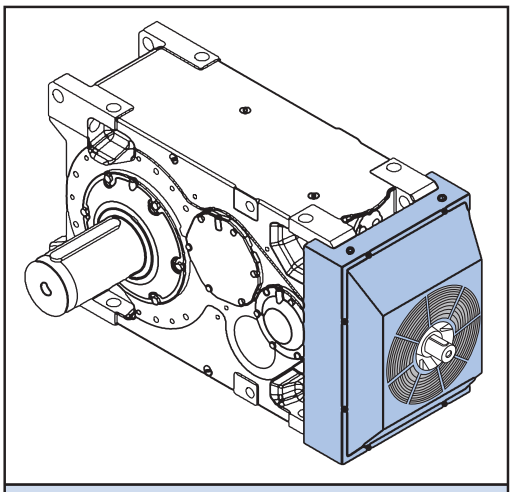
CS2 Cooler Specifications 60Hz

CS2 Oil Cooler Size	Cooling Power Q_{CS}		Oil Flow Rate $V_{öl}$		Water Inlet Temp. $t_{W.ein}$		Pump Motor Power	
-	[kW]	[hp]	[rpm]	[gpm]	[°C]	[°F]	[kW]	[hp]
A	4,6	6,17	13	3,43	20	68	1,32	1,77
B	7,7	10,33	26	6,87	20	68	1,80	2,41
C	13,0	17,43	26	6,87	20	68	1,80	2,41
D	16,6	22,26	53	14,00	20	68	3,60	4,38
E	20,5	27,49	53	14.00	20	68	3,60	4,38
F	25,8	34,60	53	14,00	20	68	3,60	4,38
G	46,8	62,76	104	27,47	20	68	4,80	6,44
H	59,3	79,52	84	22,19	20	68	4,80	6,44

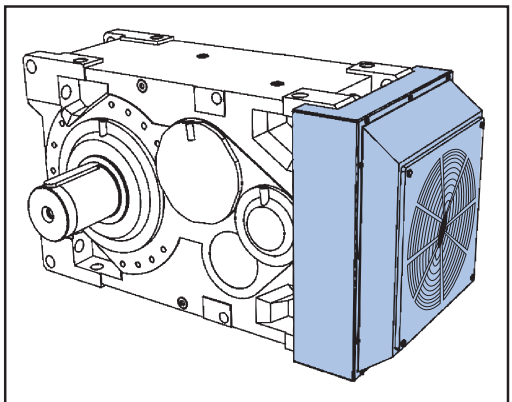




Helical Gear Unit with Standard Shaft Powered Fan



Bevel Gear Unit with Standard Shaft Powered Fan



Helical Gear Unit with Electric Fan

Gearbox Cooling Using a Fan (FAN)

Through the use of fans, the thermal power capacity of the gearbox may be increased substantially. Usually, a fan can be retrofitted to the gear unit. However this must be checked for each individual case (installation space, type of gearbox, mounting position, etc.). The fan cover provides protection against contact and guides the flow of cooling air over the gearbox housing.

Installation conditions for fans

An adequate supply of air to the fan must be ensured, the vent grill in the fan cover must be kept clear.

High-power radial fan (FAN)

The high power radial fan is suitable for both directions of rotation. It is the standard solution for helical gearboxes but can also used for bevel-helical gearboxes. It requires the free axial entry of air and is connected directly to the input shaft.

High-power axial fan (FAN)

The high-power axial fan is also directly connected to the input shaft of bevel-helical gearboxes. It provides a high cooling power, but only works in one direction of rotation.

The intake of air may be supplied in a radial direction which allows a brake or a fluid-coupling to be installed directly in front of the fan (see motor swing bases). Further information is available upon request. The direction of the rotation must be specified when ordering the unit.

High-power axial fan on swing bases (FAN)

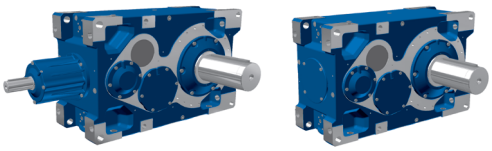
On swing bases a larger high-power axial fan is used as standard. This high-power axial fan is also directly connected to the input shaft of bevel-helical gearboxes. It provides a very high cooling power, but only works in one direction of rotation.

The intake of air may be supplied in a radial direction which allows a brake or a fluid-coupling to be installed directly in front of the fan (see motor swing bases). Further information is available upon request. The direction of the rotation must be specified when ordering the unit.

Electric fan (FAN)

NORD supplies an option electric fan as well. This fan is switched on as required with the use of a temperature switch.

The Electric fan is only available on our parallel Maxxdrive™ gear units. The fan may be attached to both ends of the parallel gear unit. Additional information is available upon request.



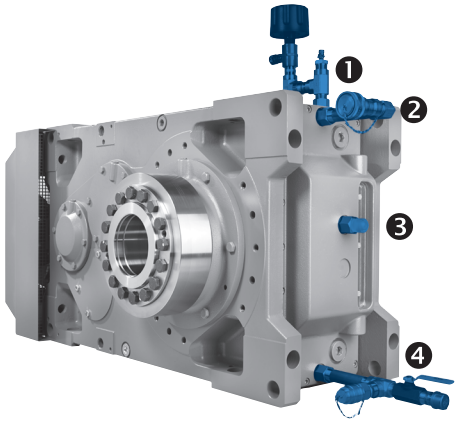
Endurance Package Option

Endurance Package

NORD's Endurance package is a combination of protective features to ensure that your investment performs well for extended periods of time. Here at NORD, we are consistently innovating ideas to make our products perform better in even the toughest environments.

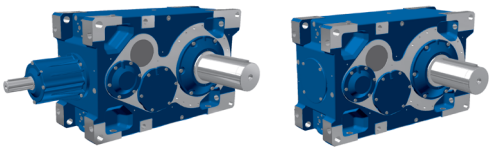
The Endurance Package Features:

- Donaldson T.R.A.P.™ Breather (shipped loose) ❶
- Filter Cart Quick Disconnects ❷
- Esco 3D Bullseye™ Sight Glass ❸
- Oil Sample Port ❹



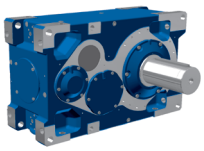
MAXXDRIVE™ unit with Endurance Package option

Notes



DRIVESYSTEMS

Parallel Ratings



Structure of the Power Ratings Tables

Nominal Input Speed
The actual motor speeds depend on the size of the motor, and may differ

Nominal Output Speed
The Nominal Input Speed divided by the Nominal Ratio

Size of Gear Unit

Nom. Ratio i_N	Nominal Input Speed n_{1N} [rpm]	Nominal Output Speed n_{2N} [rpm]	SK 7207/ SK 7307 Rated Power P_N [kW]	SK 8207/ SK 8307 Rated Power P_N [kW]	SK 9207/ SK 9307 Rated Power P_N [kW]	SK 10207/ SK 10307 Rated Power P_N [kW]	SK 11207/ SK 11307 Rated Power P_N [kW]	SK 12207/ SK 12307 Rated Power P_N [kW]	SK 13207/ SK 13307 Rated Power P_N [kW]	SK 14207/ SK 14307 Rated Power P_N [kW]	SK 15207/ SK 15307 Rated Power P_N [kW]
8	1000	125	283	282	474	475	911	1,227	1,654	2,197	3,039
	1500	188	424	424	711	713	1,367	1,841	2,482	3,296	4,559
	1200	150	339	339	568	570	1,094	1,473	1,985	2,636	3,647
	1800	225	509	508	853	855	1,640	2,209	2,978	3,955	5,470

Nominal Ratio
Sized according to Standard Series

Nominal Output Power
with Service Factor (f_B) = 1.0

Structure of the Torque Rating Tables

Size of Gear Unit

Nom. Ratio i_N	SK 7207/ SK 7307 Output Torque M_{2max} [kNm]	SK 8207/ SK 8307 Output Torque M_{2max} [kNm]	SK 9207/ SK 9307 Output Torque M_{2max} [kNm]	SK 10207/ SK 10307 Output Torque M_{2max} [kNm]	SK 11207/ SK 11307 Output Torque M_{2max} [kNm]	SK 12207/ SK 12307 Output Torque M_{2max} [kNm]	SK 13207/ SK 13307 Output Torque M_{2max} [kNm]	SK 14207/ SK 14307 Output Torque M_{2max} [kNm]	SK 15207/ SK 15307 Output Torque M_{2max} [kNm]
22.4	24	29	40	46	74	109	151	193	270
25	24	29	40	47	76	109	151	185	273

Nominal Ratio
Sized according to Standard Series

SK 207 Units
Units shaded this color are Two Stage Units

Nominal Output Torque
with Service Factor (f_B) = 1.0

SK 307 Units
Units shaded this color are Three Stage Units

Structure of the Inertia Tables

Size of Gear Unit

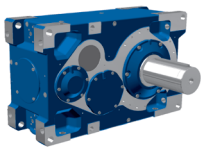
Nom. Ratio i_N	SK 7207/ SK 7307 Moments of Inertia j_1 kgm²	SK 8207/ SK 8307 Moments of Inertia j_1 kgm²	SK 9207/ SK 9307 Moments of Inertia j_1 kgm²	SK 10207/ SK 10307 Moments of Inertia j_1 kgm²	SK 11207/ SK 11307 Moments of Inertia j_1 kgm²	SK 12207/ SK 12307 Moments of Inertia j_1 kgm²	SK 13207/ SK 13307 Moments of Inertia j_1 kgm²	SK 14207/ SK 14307 Moments of Inertia j_1 kgm²	SK 15207/ SK 15307 Moments of Inertia j_1 kgm²
22.4	0.026	0.040	0.066	0.096	0.266	0.441	0.715	0.843	1.940
25	0.026	0.028	0.064	0.070	0.223	0.365	0.600	0.820	1.620

Nominal Ratio
Sized according to Standard Series

SK 207 Units
Units shaded this color are Two Stage Units

Moment of Inertia
Relative to the Input Shaft

SK 307 Units
Units shaded this color are Three Stage Units



Structure of the Exact Ratio Tables

Size of Gear Unit

Nom. Ratio i_N	SK 7207/ SK 7307 Exact Ratio i_{ges}	SK 8207/ SK 8307 Exact Ratio i_{ges}	SK 9207/ SK 9307 Exact Ratio i_{ges}	SK 10207/ SK 10307 Exact Ratio i_{ges}	SK 11207/ SK 11307 Exact Ratio i_{ges}	SK 12207/ SK 12307 Exact Ratio i_{ges}	SK 13207/ SK 13307 Exact Ratio i_{ges}	SK 14207/ SK 14307 Exact Ratio i_{ges}	SK 15207/ SK 15307 Exact Ratio i_{ges}
22.4	23.05	21.72	23.31	22.38	22.32	22.13	21.90	22.81	21.84
25	25.34	26.26	25.63	26.26	26.09	25.87	25.92	24.52	25.54

Nominal Ratio
Sized according to Standard Series

SK 207 Units
Units shaded this color are Two Stage Units

Exact Ratio

SK 307 Units
Units shaded this color are Three Stage Units

Structure of the Thermal Rating Tables

1) 2) (see explanation below)

Size of Gear Unit

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
8	---	$Pt_{0.20}$	201	219	269	343	317	298	364	---	266
	FAN	$P_{tF.20}$	60	56	82	86	91	124	146	---	223
	CC	$P_{tC.20}$	80	72	164	173	385	574	771	---	931

Nominal Ratio
Sized according to Standard Series

Cooling Type
--- : No Additional Cooling
FAN : Built in Fan Cooling
CC : Integrated Water Cooling

Thermal Power Limit 1) 2)
Without any additional thermal cooling at Ambient Temp.

Additional Thermal Power Limit 1) 2)
With Built in Fan at Ambient Temperature with nominal speed

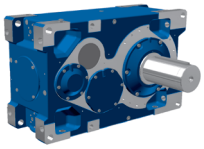
Additional Thermal Power Limit
With Integrated Water Cooling at Ambient Temperature

1) Standard ambient conditions

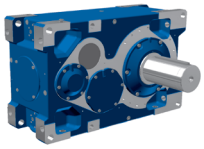
Ambient temperature:	20°C (68°F) or 40°C (104°F)
Air circulation at installation location	large hall with good air circulation (v_L = 4.92 ft/s or 1.5 m/s)
Installation:	Foundation steel sub-construction
Installation altitude:	≤ 3280ft (1000m) above sea level
Installation position	Horizontal installation (M1/M3 for 2-stage or M3 for 3 stage)
Type of lubrication:	Oil-splash lubrication
Cooling water inlet temperature	20°C (68°F) or 40°C (104°F)

2) Intermediate figures from 0° C to 50° C can be interpolated.

Parallel Unit
Nominal Power Ratings



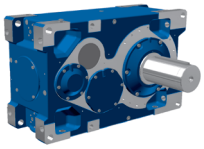
Nom. Ratio i_N	Nominal Input Speed n_{1N} [rpm]	Nominal Output Speed n_{2N} [rpm]	SK 7207/ SK 7307 Rated Power P_N [kW]	SK 8207/ SK 8307 Rated Power P_N [kW]	SK 9207/ SK 9307 Rated Power P_N [kW]	SK 10207/ SK 10307 Rated Power P_N [kW]	SK 11207/ SK 11307 Rated Power P_N [kW]	SK 12207/ SK 12307 Rated Power P_N [kW]	SK 13207/ SK 13307 Rated Power P_N [kW]	SK 14207/ SK 14307 Rated Power P_N [kW]	SK 15207/ SK 15307 Rated Power P_N [kW]
5.6	1000	179	---	---	---	---	1.084	1.466	1.926	---	3.345
	1500	268	---	---	---	---	1.626	2.199	2.888	---	5.018
	1200	214	---	---	---	---	1.301	1.759	2.311	---	4.014
	1800	321	---	---	---	---	1.951	2.639	3.466	---	6.022
6.3	1000	159	---	---	---	---	1.085	1.446	1.905	---	3.344
	1500	238	---	---	---	---	1.627	2.169	2.857	---	5.016
	1200	190	---	---	---	---	1.301	1.735	2.286	---	4.013
	1800	286	---	---	---	---	1.952	2.603	3.429	---	6.019
7.1	1000	141	282	---	477	---	983	1.281	1.719	2.198	3.037
	1500	211	422	---	716	---	1.475	1.922	2.578	3.296	4.556
	1200	169	338	---	573	---	1.180	1.538	2.062	2.637	3.644
	1800	254	507	---	859	---	1.770	2.306	3.094	3.956	5.467
8	1000	125	283	282	474	475	911	1.227	1.654	2.197	3.039
	1500	188	424	424	711	713	1.367	1.841	2.482	3.296	4.559
	1200	150	339	339	568	570	1.094	1.473	1.985	2.636	3.647
	1800	225	509	508	853	855	1.640	2.209	2.978	3.955	5.470
9	1000	111	262	284	426	475	798	1.110	1.469	1.985	2.746
	1500	167	393	426	639	712	1.197	1.666	2.204	2.977	4.119
	1200	133	314	341	511	570	958	1.333	1.763	2.382	3.295
	1800	200	472	511	767	855	1.436	1.999	2.645	3.573	4.943
10	1000	100	241	266	392	441	734	1.055	1.399	1.831	2.571
	1500	150	362	398	587	662	1.101	1.582	2.098	2.747	3.856
	1200	120	290	319	470	530	881	1.266	1.679	2.197	3.085
	1800	180	435	478	705	795	1.322	1.899	2.518	3.296	4.627
11.2	1000	89	218	260	347	420	629	921	1.262	1.663	2.199
	1500	134	326	389	521	630	944	1.381	1.893	2.494	3.298
	1200	107	261	312	417	504	755	1.105	1.514	1.995	2.639
	1800	161	392	467	625	756	1.133	1.657	2.271	2.993	3.958
12.5	1000	80	199	224	319	370	581	861	1.207	1.473	2.054
	1500	120	298	337	479	555	871	1.291	1.811	2.209	3.082
	1200	96	238	269	383	444	697	1.033	1.449	1.768	2.465
	1800	144	358	404	575	665	1.045	1.549	2.173	2.651	3.698
14	1000	71	177	215	281	341	514	772	1.074	1.379	1.804
	1500	107	265	323	422	512	771	1.157	1.611	2.068	2.706
	1200	86	212	258	338	410	617	926	1.288	1.655	2.164
	1800	129	318	387	506	614	926	1.389	1.933	2.482	3.247
16	1000	63	161	184	259	297	473	714	1.005	1.222	1.687
	1500	94	242	277	388	445	710	1.071	1.507	1.833	2.530
	1200	75	193	221	310	356	568	857	1.205	1.466	2.024
	1800	113	290	332	465	535	852	1.285	1.808	2.199	3.036



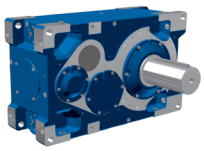
Parallel Unit
Nominal Power Ratings

Nom. Ratio i_N	Nominal Input Speed n_{1N} [rpm]	Nominal Output Speed n_{2N} [rpm]	SK 7207/ SK 7307 Rated Power P_N [kW]	SK 8207/ SK 8307 Rated Power P_N [kW]	SK 9207/ SK 9307 Rated Power P_N [kW]	SK 10207/ SK 10307 Rated Power P_N [kW]	SK 11207/ SK 11307 Rated Power P_N [kW]	SK 12207/ SK 12307 Rated Power P_N [kW]	SK 13207/ SK 13307 Rated Power P_N [kW]	SK 14207/ SK 14307 Rated Power P_N [kW]	SK 15207/ SK 15307 Rated Power P_N [kW]
18	1000	56	142	177	227	272	406	617	852	1.123	1.445
	1500	83	213	265	341	409	610	925	1.277	1.685	2.168
	1200	67	171	212	273	327	488	740	1.022	1.348	1.734
	1800	100	256	318	409	490	732	1.110	1.533	2.021	2.602
20	1000	50	129	146	208	237	375	567	786	996	1.352
	1500	75	193	219	313	355	563	851	1.179	1.494	2.027
	1200	60	155	175	250	284	450	681	943	1.195	1.622
	1800	90	232	263	375	426	676	1.021	1.415	1.793	2.433
22.4	1000	45	110	140	180	217	345	515	722	891	1.295
	1500	67	166	210	269	325	517	772	1.083	1.337	1.942
	1200	54	132	168	216	260	414	618	866	1.069	1.554
	1800	80	199	252	323	390	621	927	1.299	1.604	2.331
25	1000	40	100	114	165	187	305	442	611	791	1.121
	1500	60	151	172	247	281	458	663	916	1.186	1.682
	1200	48	121	137	198	225	366	530	733	949	1.345
	1800	72	181	206	296	337	549	796	1.099	1.423	2.018
28	1000	36	91	111	149	172	279	407	560	747	1.037
	1500	54	137	166	224	258	418	610	840	1.121	1.556
	1200	43	110	133	179	206	335	488	672	897	1.245
	1800	64	164	199	269	309	502	732	1.008	1.345	1,867
31.5	1000	32	83	94	136	156	250	362	497	623	919
	1500	48	125	141	205	234	375	543	746	934	1.379
	1200	48	100	113	164	187	300	434	597	747	1.103
	1800	57	150	169	246	281	450	651	895	1.121	1.655
35.5	1000	28	70	90	116	142	229	333	456	595	844
	1500	42	106	135	174	213	343	500	684	892	1.266
	1200	34	85	108	139	170	275	400	547	714	1,013
	1800	51	127	162	208	256	412	599	821	1.071	1.520
40	1000	25	64	74	106	120	196	286	386	501	723
	1500	38	96	110	159	180	294	429	578	752	1.085
	1200	30	77	88	127	144	235	343	463	602	868
	1800	45	115	132	190	216	353	515	694	902	1.302
45	1000	22	54	69	97	110	179	263	353	501	664
	1500	33	81	104	145	165	269	395	530	752	996
	1200	27	65	83	116	132	215	316	424	601	797
	1800	40	97	125	174	197	323	474	636	902	1.195
50	1000	20	52	57	88	100	160	234	316	376	583
	1500	30	78	85	132	150	239	351	474	564	875
	1200	24	63	68	106	120	192	280	379	451	700
	1800	36	94	102	159	180	287	421	569	677	1.049

Parallel Unit
Nominal Power Ratings



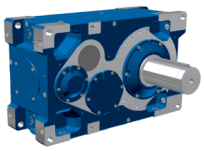
Nom. Ratio i_N	Nominal Input Speed n_{1N} [rpm]	Nominal Output Speed n_{2N} [rpm]	SK 7207/ SK 7307 Rated Power P_N [kW]	SK 8207/ SK 8307 Rated Power P_N [kW]	SK 9207/ SK 9307 Rated Power P_N [kW]	SK 10207/ SK 10307 Rated Power P_N [kW]	SK 11207/ SK 11307 Rated Power P_N [kW]	SK 12207/ SK 12307 Rated Power P_N [kW]	SK 13207/ SK 13307 Rated Power P_N [kW]	SK 14207/ SK 14307 Rated Power P_N [kW]	SK 15207/ SK 15307 Rated Power P_N [kW]
56	1000	18	46	56	78	92	146	215	289	376	535
	1500	27	69	84	117	138	219	322	434	564	803
	1200	21	55	67	94	111	175	258	347	452	643
	1800	32	83	101	141	166	263	387	521	677	964
63	1000	16	42	48	71	82	125	185	244	322	459
	1500	24	63	72	107	123	188	277	366	483	688
	1200	19	50	58	86	98	150	221	293	386	550
	1800	29	76	87	129	148	225	332	439	579	825
71	1000	14	36	45	61	75	114	170	223	322	421
	1500	21	53	68	91	113	172	255	334	483	632
	1200	17	43	54	73	90	137	204	267	386	505
	1800	25	64	81	109	135	206	306	401	579	758
80	1000	13	32	37	55	63	99	135	189	241	367
	1500	19	49	56	83	95	148	203	283	362	550
	1200	15	39	44	66	76	119	163	227	290	440
	1800	23	58	67	100	114	178	244	340	434	660
90	1000	11	27	35	50	58	90	128	179	241	337
	1500	17	41	52	76	87	136	192	269	362	505
	1200	13	33	42	61	70	108	153	215	290	404
	1800	20	49	63	91	104	163	230	323	434	606
100	1000	10	26	29	46	53	77	111	151	172	288
	1500	15	40	43	69	79	116	167	227	259	433
	1200	12	32	35	55	63	93	134	182	207	346
	1800	18	48	52	83	95	139	200	273	310	519
112	1000	9	23	28	40	48	71	104	139	172	265
	1500	13	34	42	60	72	106	156	208	258	397
	1200	11	27	34	48	58	85	125	167	207	318
	1800	16	41	51	71	87	127	187	250	310	477
125	1000	8	21	23	36	41	---	---	---	153	---
	1500	12	31	35	54	62	---	---	---	229	---
	1200	10	25	28	43	50	---	---	---	183	---
	1800	14	20	23	23	21	---	---	---	280	---
140	1000	7	18	22	33	38	---	---	---	153	---
	1500	11	28	33	50	56	---	---	---	229	---
	1200	9	22	26	40	45	---	---	---	183	---
	1800	13	33	40	60	68	---	---	---	275	---
160	1000	6	17	19	29	34	---	---	---	---	---
	1500	9	25	28	43	52	---	---	---	---	---
	1200	8	20	23	34	41	---	---	---	---	---
	1800	11	30	34	51	62	---	---	---	---	---



Parallel Unit
Nominal Power Ratings

Nom. Ratio i_N	Nominal Input Speed n_{1N} [rpm]	Nominal Output Speed n_{2N} [rpm]	SK 7207/ SK 7307 Rated Power P_N [kW]	SK 8207/ SK 8307 Rated Power P_N [kW]	SK 9207/ SK 9307 Rated Power P_N [kW]	SK 10207/ SK 10307 Rated Power P_N [kW]	SK 11207/ SK 11307 Rated Power P_N [kW]	SK 12207/ SK 12307 Rated Power P_N [kW]	SK 13207/ SK 13307 Rated Power P_N [kW]	SK 14207/ SK 14307 Rated Power P_N [kW]	SK 15207/ SK 15307 Rated Power P_N [kW]
180	1000	6	13	18	26	30	---	---	---	---	---
	1500	8	19	27	39	44	---	---	---	---	---
	1200	7	16	21	31	35	---	---	---	---	---
	1800	10	23	32	47	53	---	---	---	---	---
200	1000	5	13	13	13	27	---	---	---	---	---
	1500	8	19	19	20	41	---	---	---	---	---
	1200	6	15	16	16	32	---	---	---	---	---
	1800	9	23	23	24	49	---	---	---	---	---
224	1000	4	11	13	13	12	---	---	---	---	---
	1500	7	17	19	19	18	---	---	---	---	---
	1200	5	13	15	16	14	---	---	---	---	---
	1800	8	20	23	23	21	---	---	---	---	---
250	1000	4	10	12	13	12	---	---	---	---	---
	1500	6	15	17	19	17	---	---	---	---	---
	1200	5	12	14	16	14	---	---	---	---	---
	1800	7	18	21	23	21	---	---	---	---	---
280	1000	4	9	11	13	12	---	---	---	---	---
	1500	5	14	16	19	17	---	---	---	---	---
	1200	4	11	13	15	14	---	---	---	---	---
	1800	6	16	20	23	21	---	---	---	---	---
315	1000	3	8	9	12	12	---	---	---	---	---
	1500	5	12	14	19	17	---	---	---	---	---
	1200	4	10	11	15	14	---	---	---	---	---
	1800	6	15	17	22	21	---	---	---	---	---
355	1000	3	---	9	12	11	---	---	---	---	---
	1500	4	---	13	18	17	---	---	---	---	---
	1200	3	---	11	15	14	---	---	---	---	---
	1800	5	---	16	22	20	---	---	---	---	---
400	1000	3	---	---	---	11	---	---	---	---	---
	1500	4	---	---	---	17	---	---	---	---	---
	1200	3	---	---	---	13	---	---	---	---	---
	1800	5	---	---	---	20	---	---	---	---	---
450	1000	2									
	1500	3									
	1200	3									
	1800	4									

Parallel Unit
Nominal Output Torques

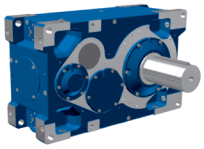


NORD DRIVESYSTEMS

Nom. Ratio i_N	SK 7207/ SK 7307 Output Torque M_{2max} [kNm]	SK 8207/ SK 8307 Output Torque M_{2max} [kNm]	SK 9207/ SK 9307 Output Torque M_{2max} [kNm]	SK 10207/ SK 10307 Output Torque M_{2max} [kNm]	SK 11207/ SK 11307 Output Torque M_{2max} [kNm]	SK 12207/ SK 12307 Output Torque M_{2max} [kNm]	SK 13207/ SK 13307 Output Torque M_{2max} [kNm]	SK 14207/ SK 14307 Output Torque M_{2max} [kNm]	SK 15207/ SK 15307 Output Torque M_{2max} [kNm]
5,6	---	---	---	---	60	79	108	---	177
6,3	---	---	---	---	65	85	116	---	193
7,1	19	---	33	---	67	89	120	160	207
8	21	22	36	37	69	93	126	164	226
9	23	24	37	40	69	96	130	168	235
10	23	26	37	43	69	100	135	172	240
11,2	23	27	38	45	70	102	137	176	240
12,5	23	28	38	45	71	104	143	180	245
14	24	28	39	46	71	106	146	184	245
16	24	28	39	46	71	107	149	188	249
18	24	29	39	46	72	108	149	190	250
20	24	29	40	46	73	108	150	190	255
22,4	24	29	40	46	74	109	151	190	270
25	24	29	40	47	76	109	151	190	273
28	24	29	41	47	76	110	151	190	276
31,5	24	29	41	48	76	110	152	190	276
35,5	24	29	41	48	76	110	152	190	277
40	24	29	41	48	76	111	152	190	278
45	23	29	41	48	77	111	152	190	278
50	24	28	41	48	77	112	152	190	278
56	24	29	41	49	77	112	151	190	279
63	24	29	42	49	77	112	151	190	279
71	24	29	42	49	77	113	150	190	280
80	25	29	42	49	77	105	145	190	280
90	23	29	42	49	77	108	150	190	281
100	25	28	42	49	77	110	150	190	281
112	25	29	42	49	77	112	150	190	282
125	25	29	43	50	---	---	---	190	---
140	25	29	43	50	---	---	---	190	---
160	25	29	43	50	---	---	---	---	---
180	22	29	43	50	---	---	---	---	---
200	24	25	25	50	---	---	---	---	---
224	25	26	27	25	---	---	---	---	---
250	25	29	32	27	---	---	---	---	---
280	25	29	34	32	---	---	---	---	---
315	25	29	37	35	---	---	---	---	---
355	---	29	40	38	---	---	---	---	---
400	---	---	---	41	---	---	---	---	---

SK ..207 Units

SK ..307 Units



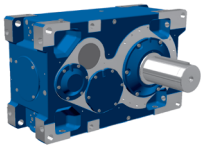
Parallel Unit
Moments of Inertia

Nom. Ratio i_N	SK 7207/ SK 7307 Moments of Inertia j_1 kgm²	SK 8207/ SK 8307 Moments of Inertia j_1 kgm²	SK 9207/ SK 9307 Moments of Inertia j_1 kgm²	SK 9207/ SK 9307 Moments of Inertia j_1 kgm²	SK 9207/ SK 9307 Moments of Inertia j_1 kgm²	SK 9207/ SK 9307 Moments of Inertia j_1 kgm²	SK 9207/ SK 9307 Moments of Inertia j_1 kgm²	SK 9207/ SK 9307 Moments of Inertia j_1 kgm²	SK 9207/ SK 9307 Moments of Inertia j_1 kgm²
5,6	---	---	---	---	1,120	1,920	2,980	---	8,540
6,3	---	---	---	---	1,080	1,850	2,880	---	8,270
7,1	0,131	---	0,329	---	0,819	1,330	2,150	3,780	5,900
8	0,127	0,153	0,316	0,373	0,790	1,290	2,080	3,550	5,730
9	0,095	0,144	0,242	0,352	0,598	0,981	1,550	2,720	4,310
10	0,093	0,109	0,234	0,269	0,580	0,956	1,510	2,570	4,200
11,2	0,068	0,103	0,176	0,256	0,432	0,713	1,180	1,940	3,090
12,5	0,067	0,078	0,171	0,193	0,421	0,697	1,150	1,860	3,030
14	0,049	0,074	0,123	0,185	0,350	0,569	0,946	1,470	2,450
16	0,048	0,055	0,120	0,134	0,342	0,559	0,928	1,410	2,410
18	0,038	0,053	0,093	0,129	0,263	0,398	0,702	1,150	1,670
20	0,037	0,042	0,091	0,100	0,259	0,392	0,691	1,120	1,650
22,4	0,026	0,040	0,066	0,096	0,266	0,441	0,715	0,843	1,940
25	0,026	0,028	0,064	0,070	0,223	0,365	0,600	0,820	1,620
28	0,031	0,027	0,063	0,068	0,221	0,362	0,594	0,762	1,610
31,5	0,031	0,033	0,062	0,066	0,141	0,238	0,373	0,674	1,040
35,5	0,026	0,032	0,050	0,065	0,139	0,236	0,369	0,663	1,030
40	0,025	0,026	0,049	0,051	0,122	0,205	0,324	0,408	0,906
45	0,022	0,026	0,043	0,051	0,121	0,203	0,322	0,401	0,900
50	0,022	0,023	0,043	0,044	0,078	0,128	0,202	0,366	0,512
56	0,012	0,022	0,023	0,044	0,077	0,127	0,201	0,361	0,509
63	0,012	0,012	0,023	0,023	0,070	0,115	0,182	0,218	0,459
71	0,010	0,012	0,019	0,023	0,070	0,114	0,181	0,215	0,457
80	0,010	0,011	0,019	0,020	0,044	0,071	0,119	0,201	0,265
90	0,010	0,011	0,018	0,019	0,044	0,071	0,118	0,199	0,264
100	0,010	0,010	0,017	0,018	0,041	0,066	0,111	0,128	0,244
112	0,006	0,010	0,012	0,018	0,041	0,066	0,111	0,127	0,243
125	0,006	0,006	0,011	0,012	---	---	---	0,121	---
140	0,005	0,006	0,011	0,011	---	---	---	0,121	---
160	0,005	0,005	0,008	0,011	---	---	---	---	---
180	0,003	0,005	0,008	0,008	---	---	---	---	---
200	0,003	0,003	0,006	0,008	---	---	---	---	---
224	0,003	0,003	0,006	0,006	---	---	---	---	---
250	0,003	0,003	0,006	0,006	---	---	---	---	---
280	0,003	0,003	0,006	0,006	---	---	---	---	---
315	0,003	0,003	0,006	0,006	---	---	---	---	---
355	---	0,003	0,006	0,006	---	---	---	---	---
400	---	---	---	0,006	---	---	---	---	---

SK ..207 Units

SK ..307 Units

Parallel Unit
Exact Ratios

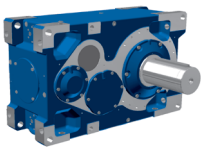


DRIVESYSTEMS

Nom. Ratio i_N	SK 7207/ SK 7307 Exact Ratio i_{ges}	SK 8207/ SK 8307 Exact Ratio i_{ges}	SK 9207/ SK 9307 Exact Ratio i_{ges}	SK 10207/ SK 10307 Exact Ratio i_{ges}	SK 11207/ SK 11307 Exact Ratio i_{ges}	SK 12207/ SK 12307 Exact Ratio i_{ges}	SK 13207/ SK 13307 Exact Ratio i_{ges}	SK 14207/ SK 14307 Exact Ratio i_{ges}	SK 15207/ SK 15307 Exact Ratio i_{ges}
5,6	---	---	---	---	5,77	5,64	5,85	---	5,54
6,3	---	---	---	---	6,31	6,16	6,38	---	6,04
7,1	7,16	---	7,24	---	7,19	7,27	7,31	7,20	7,15
8	7,87	8,15	7,96	8,15	7,87	7,93	7,98	7,77	7,80
9	8,99	8,66	9,10	8,93	9,05	9,10	9,26	9,01	8,96
10	9,89	10,25	10,00	10,25	9,91	9,93	10,11	9,72	9,78
11,2	11,26	10,89	11,39	11,22	11,61	11,60	11,37	11,42	11,44
12,5	12,38	12,83	12,52	12,83	12,71	12,66	12,40	12,32	12,48
14	14,20	13,63	14,37	14,05	14,46	14,39	14,24	14,01	14,19
16	15,62	16,19	15,79	16,19	15,83	15,69	15,53	15,12	15,48
18	17,94	17,20	18,14	17,72	18,50	18,34	18,38	17,55	18,11
20	19,72	20,44	19,94	20,44	20,25	20,01	20,05	18,93	19,76
22,4	23,05	21,72	23,31	22,38	22,32	22,13	21,90	22,66	21,84
25	25,34	26,26	25,63	26,26	26,09	25,87	25,92	24,44	25,54
28	27,89	27,90	28,44	28,76	28,56	28,22	28,28	26,70	27,86
31,5	30,67	31,79	31,26	32,04	31,90	31,82	31,91	31,95	31,49
35,5	36,21	33,77	36,98	35,08	34,93	34,71	34,81	34,47	34,35
40	39,81	41,26	40,65	41,66	40,83	40,58	41,20	39,33	40,18
45	44,60	43,84	44,70	45,62	44,70	44,26	44,94	42,44	43,83
50	49,04	50,82	49,13	50,35	50,25	50,01	50,17	50,78	50,02
56	55,39	53,99	55,56	55,14	55,01	54,56	54,73	54,79	54,56
63	60,91	63,12	61,07	62,59	64,31	63,77	64,78	61,84	63,82
71	71,91	67,07	72,25	68,54	70,40	69,56	70,66	66,72	69,62
80	79,07	81,94	79,41	81,38	81,58	81,18	80,34	79,84	80,10
90	88,56	87,06	87,32	89,12	89,30	88,56	87,64	86,14	87,37
100	97,38	100,92	95,98	98,36	104,39	103,51	103,73	99,02	102,20
112	113,97	107,23	111,90	107,71	114,28	112,91	113,15	106,84	111,48
125	125,31	129,87	123,04	125,57	---	---	---	127,85	---
140	140,37	137,98	135,24	138,60	---	---	---	137,94	---
160	154,34	159,95	157,18	151,77	---	---	---	---	---
180	177,56	169,95	172,76	177,05	---	---	---	---	---
200	195,24	202,34	198,68	193,87	---	---	---	---	---
224	230,49	214,99	218,38	223,80	---	---	---	---	---
250	253,44	262,65	258,35	245,07	---	---	---	---	---
280	283,89	279,07	283,96	291,01	---	---	---	---	---
315	312,15	323,50	312,23	318,66	---	---	---	---	---
355	---	343,72	343,19	351,71	---	---	---	---	---
400	---	---	---	385,13	---	---	---	---	---

SK ..207 Units

SK ..307 Units



Parallel Unit Thermal Ratings
M1/M3 Mounting - 1000 rpm @ 20°C

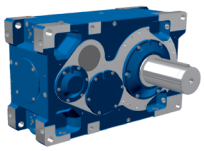
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.20}$	---	---	---	---	295	225	270	---	*
	FAN	$P_{tF.20}$	---	---	---	---	166	237	277	---	288
	CC	$P_{tC.20}$	---	---	---	---	431	671	868	---	976
6,3	---	$Pt_{0.20}$	---	---	---	---	287	225	280	---	*
	FAN	$P_{tF.20}$	---	---	---	---	155	216	258	---	326
	CC	$P_{tC.20}$	---	---	---	---	405	617	815	---	960
7,1	---	$Pt_{0.20}$	207	---	283	---	331	338	410	389	301
	FAN	$P_{tF.20}$	91	---	130	---	149	201	237	308	372
	CC	$P_{tC.20}$	78	---	165	---	390	584	765	865	940
8	---	$Pt_{0.20}$	200	216	268	341	317	321	401	394	313
	FAN	$P_{tF.20}$	87	82	121	130	140	185	224	294	344
	CC	$P_{tC.20}$	74	67	154	163	367	540	722	828	875
9	---	$Pt_{0.20}$	203	240	288	321	345	383	480	527	523
	FAN	$P_{tF.20}$	83	90	118	121	134	177	207	268	313
	CC	$P_{tC.20}$	71	74	150	151	353	521	676	766	815
10	---	$Pt_{0.20}$	196	210	271	341	328	359	462	521	511
	FAN	$P_{tF.20}$	80	75	110	118	126	164	196	258	295
	CC	$P_{tC.20}$	68	62	140	148	333	483	640	739	768
11,2	---	$Pt_{0.20}$	195	232	282	320	338	395	504	596	643
	FAN	$P_{tF.20}$	76	82	107	110	118	155	187	236	273
	CC	$P_{tC.20}$	65	68	136	138	313	459	612	684	718
12,5	---	$Pt_{0.20}$	188	200	264	330	321	372	482	579	612
	FAN	$P_{tF.20}$	73	68	100	108	112	145	177	227	255
	CC	$P_{tC.20}$	62	56	127	135	296	430	581	656	673
14	---	$Pt_{0.20}$	183	221	270	310	321	389	497	610	674
	FAN	$P_{tF.20}$	69	75	97	100	106	139	164	212	240
	CC	$P_{tC.20}$	58	62	124	126	280	412	542	616	635
16	---	$Pt_{0.20}$	176	187	254	315	305	363	475	591	639
	FAN	$P_{tF.20}$	66	62	91	98	100	129	156	204	225
	CC	$P_{tC.20}$	56	51	116	122	265	384	515	592	597
18	---	$Pt_{0.20}$	168	206	250	295	295	364	467	597	667
	FAN	$P_{tF.20}$	61	68	87	91	92	121	142	188	209
	CC	$P_{tC.20}$	52	56	111	114	244	358	468	547	554
20	---	$Pt_{0.20}$	162	171	235	290	280	341	446	577	632
	FAN	$P_{tF.20}$	59	56	81	87	88	113	135	181	197
	CC	$P_{tC.20}$	50	46	104	109	232	335	446	526	523
22,4	---	$Pt_{0.20}$	151	188	227	273	192	231	275	558	242
	FAN	$P_{tF.20}$	54	61	76	82	82	103	125	163	187
	CC	$P_{tC.20}$	46	50	97	102	215	304	408	475	478

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1000 rpm

Parallel Unit Thermal Ratings
M1/M3 Mounting - 1000 rpm @ 20°C

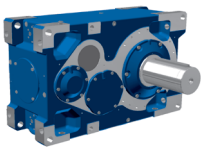


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.20}$	146	155	213	262	186	228	270	540	261
	FAN	$P_{tF.20}$	52	49	72	77	76	98	116	157	175
	CC	$P_{tC.20}$	44	41	91	96	200	288	379	458	451
28	---	$Pt_{0.20}$	107	169	172	246	178	216	260	342	251
	FAN	$P_{tF.20}$	43	54	63	72	73	92	111	138	167
	CC	$P_{tC.20}$	37	44	80	90	192	272	364	397	430
31,5	---	$Pt_{0.20}$	104	113	164	201	201	252	308	328	367
	FAN	$P_{tF.20}$	42	40	60	63	71	90	105	126	151
	CC	$P_{tC.20}$	36	33	76	79	188	267	346	364	395
35,5	---	$Pt_{0.20}$	99	122	156	191	192	237	296	320	352
	FAN	$P_{tF.20}$	39	43	56	60	68	85	101	123	144
	CC	$P_{tC.20}$	34	35	72	74	179	252	333	354	378
40	---	$Pt_{0.20}$	96	104	149	182	183	230	281	361	345
	FAN	$P_{tF.20}$	38	37	53	56	63	80	94	115	137
	CC	$P_{tC.20}$	32	30	68	70	168	239	310	333	360
45	---	$Pt_{0.20}$	95	112	145	173	175	217	271	351	330
	FAN	$P_{tF.20}$	38	39	52	53	61	76	90	111	131
	CC	$P_{tC.20}$	32	32	66	67	160	226	298	324	344
50	---	$Pt_{0.20}$	92	100	138	168	180	225	286	328	402
	FAN	$P_{tF.20}$	37	35	49	52	57	72	85	102	122
	CC	$P_{tC.20}$	31	29	62	65	152	215	282	297	324
56	---	$Pt_{0.20}$	93	108	148	160	172	213	275	320	384
	FAN	$P_{tF.20}$	35	38	50	49	55	68	82	100	116
	CC	$P_{tC.20}$	30	31	63	61	146	203	271	289	309
63	---	$Pt_{0.20}$	90	98	140	171	163	205	260	329	371
	FAN	$P_{tF.20}$	34	32	47	50	51	65	76	93	111
	CC	$P_{tC.20}$	29	27	60	62	136	193	253	271	295
71	---	$Pt_{0.20}$	85	105	133	162	156	194	250	321	355
	FAN	$P_{tF.20}$	32	35	44	47	49	62	74	90	106
	CC	$P_{tC.20}$	27	29	56	59	131	184	244	264	283
80	---	$Pt_{0.20}$	83	89	126	153	150	187	242	298	352
	FAN	$P_{tF.20}$	31	30	42	44	45	56	66	83	94
	CC	$P_{tC.20}$	26	24	54	56	120	168	221	242	251
90	---	$Pt_{0.20}$	82	96	123	145	144	178	233	290	337
	FAN	$P_{tF.20}$	31	32	41	42	43	54	64	81	91
	CC	$P_{tC.20}$	26	26	52	53	116	160	214	236	241
100	---	$Pt_{0.20}$	79	86	117	141	137	171	221	275	325
	FAN	$P_{tF.20}$	30	28	39	41	41	51	60	73	87
	CC	$P_{tC.20}$	25	23	49	51	109	153	200	212	232

20°C = 68°F

Nominal speed for all FAN ratings = 1000 rpm



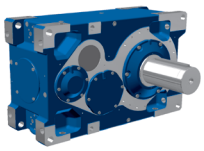
Parallel Unit Thermal Ratings
M1/M3 Mounting - 1000 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.20}$	73	92	113	134	132	163	213	269	312
	FAN	$P_{tF.20}$	27	31	37	39	39	49	58	71	84
	CC	$P_{tC.20}$	23	25	47	48	105	146	194	207	223
125	---	$Pt_{0.20}$	70	76	110	130	---	---	---	251	---
	FAN	$P_{tF.20}$	26	25	36	37	---	---	---	66	---
	CC	$P_{tC.20}$	22	20	46	46	---	---	---	192	---
140	---	$Pt_{0.20}$	70	82	105	126	---	---	---	245	---
	FAN	$P_{tF.20}$	26	27	34	36	---	---	---	64	---
	CC	$P_{tC.20}$	22	22	44	45	---	---	---	188	---
160	---	$Pt_{0.20}$	68	73	101	120	---	---	---	---	---
	FAN	$P_{tF.20}$	25	24	32	34	---	---	---	---	---
	CC	$P_{tC.20}$	21	20	41	43	---	---	---	---	---
180	---	$Pt_{0.20}$	54	79	96	115	---	---	---	---	---
	FAN	$P_{tF.20}$	20	26	31	33	---	---	---	---	---
	CC	$P_{tC.20}$	17	21	39	41	---	---	---	---	---
200	---	$Pt_{0.20}$	53	58	79	110	---	---	---	---	---
	FAN	$P_{tF.20}$	19	19	25	31	---	---	---	---	---
	CC	$P_{tC.20}$	17	15	32	39	---	---	---	---	---
224	---	$Pt_{0.20}$	51	61	76	91	---	---	---	---	---
	FAN	$P_{tF.20}$	19	20	24	25	---	---	---	---	---
	CC	$P_{tC.20}$	16	16	31	31	---	---	---	---	---
250	---	$Pt_{0.20}$	49	54	73	87	---	---	---	---	---
	FAN	$P_{tF.20}$	18	17	23	24	---	---	---	---	---
	CC	$P_{tC.20}$	15	14	30	30	---	---	---	---	---
280	---	$Pt_{0.20}$	49	57	70	83	---	---	---	---	---
	FAN	$P_{tF.20}$	18	18	22	23	---	---	---	---	---
	CC	$P_{tC.20}$	15	15	28	29	---	---	---	---	---
315	---	$Pt_{0.20}$	48	52	69	80	---	---	---	---	---
	FAN	$P_{tF.20}$	18	17	22	22	---	---	---	---	---
	CC	$P_{tC.20}$	15	14	28	28	---	---	---	---	---
355	---	$Pt_{0.20}$	---	55	66	79	---	---	---	---	---
	FAN	$P_{tF.20}$	---	18	21	22	---	---	---	---	---
	CC	$P_{tC.20}$	---	15	27	27	---	---	---	---	---
400	---	$Pt_{0.20}$	---	---	---	75	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	21	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	26	---	---	---	---	---
450	---	$Pt_{0.20}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1000 rpm

Parallel Unit Thermal Ratings
M1/M3 Mounting - 1000 rpm @ 40ºC



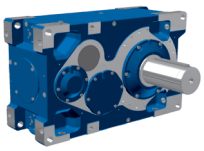
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.40}$	---	---	---	---	161	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	150	247	274	---	*
	CC	$P_{tC.20}$	---	---	---	---	462	757	957	---	664
6,3	---	$Pt_{0.40}$	---	---	---	---	161	19	3	---	*
	FAN	$P_{tF.40}$	---	---	---	---	140	226	280	---	*
	CC	$P_{tC.20}$	---	---	---	---	432	694	921	---	670
7,1	---	$Pt_{0.40}$	152	---	196	---	213	172	189	70	*
	FAN	$P_{tF.40}$	77	---	111	---	132	185	224	320	290
	CC	$P_{tC.20}$	82	---	175	---	413	626	823	971	975
8	---	$Pt_{0.40}$	148	161	187	241	207	169	195	95	*
	FAN	$P_{tF.40}$	73	70	103	113	124	169	209	300	303
	CC	$P_{tC.20}$	78	71	162	172	388	577	774	922	939
9	---	$Pt_{0.40}$	153	178	209	229	240	240	294	280	215
	FAN	$P_{tF.40}$	70	76	100	105	118	159	189	248	300
	CC	$P_{tC.20}$	74	78	158	160	372	552	717	821	887
10	---	$Pt_{0.40}$	148	159	198	251	230	228	287	283	223
	FAN	$P_{tF.40}$	67	63	93	102	111	147	178	238	280
	CC	$P_{tC.20}$	71	65	147	156	350	511	678	791	833
11,2	---	$Pt_{0.40}$	149	177	211	236	246	272	339	383	386
	FAN	$P_{tF.40}$	63	70	91	95	103	137	167	213	249
	CC	$P_{tC.20}$	68	71	143	145	328	484	645	723	763
12,5	---	$Pt_{0.40}$	144	154	199	249	234	257	326	375	372
	FAN	$P_{tF.40}$	61	58	85	93	97	128	158	205	233
	CC	$P_{tC.20}$	65	59	133	141	310	452	611	694	715
14	---	$Pt_{0.40}$	142	170	206	234	239	279	353	421	451
	FAN	$P_{tF.40}$	57	63	82	86	92	122	146	189	215
	CC	$P_{tC.20}$	61	65	130	132	293	432	569	648	669
16	---	$Pt_{0.40}$	137	145	194	241	227	261	338	410	430
	FAN	$P_{tF.40}$	55	52	77	84	87	113	139	182	202
	CC	$P_{tC.20}$	59	53	121	128	277	403	540	622	629
18	---	$Pt_{0.40}$	131	160	193	226	224	269	343	431	475
	FAN	$P_{tF.40}$	51	57	73	78	80	105	125	166	186
	CC	$P_{tC.20}$	55	59	116	120	255	375	490	573	581
20	---	$Pt_{0.40}$	126	134	182	225	213	252	329	418	452
	FAN	$P_{tF.40}$	49	47	69	75	76	99	119	160	175
	CC	$P_{tC.20}$	53	48	108	114	243	351	467	552	548
22,4	---	$Pt_{0.40}$	119	147	177	211	128	149	162	415	40
	FAN	$P_{tF.40}$	45	51	64	70	72	92	114	144	197
	CC	$P_{tC.20}$	48	52	101	107	227	321	433	497	543

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1000 rpm



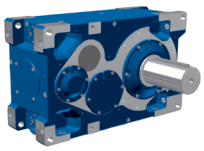
Parallel Unit Thermal Ratings
M1/M3 Mounting - 1000 rpm @ 40°C

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.40}$	114	121	166	204	126	150	166	402	81
	FAN	$P_{tF.40}$	43	42	60	66	67	87	106	138	175
	CC	$P_{tC.20}$	46	42	95	100	211	304	402	479	501
28	---	$Pt_{0.40}$	81	133	131	192	121	142	160	217	79
	FAN	$P_{tF.40}$	36	45	53	62	64	82	101	125	167
	CC	$P_{tC.20}$	38	46	84	94	202	287	385	422	478
31,5	---	$Pt_{0.40}$	79	87	125	154	146	181	216	214	224
	FAN	$P_{tF.40}$	35	34	50	54	62	79	93	114	139
	CC	$P_{tC.20}$	37	34	79	82	196	279	363	386	423
35,5	---	$Pt_{0.40}$	75	93	119	146	140	171	207	209	215
	FAN	$P_{tF.40}$	33	36	47	51	59	74	90	111	133
	CC	$P_{tC.20}$	35	37	75	78	188	264	349	375	404
40	---	$Pt_{0.40}$	73	80	113	139	134	166	199	259	216
	FAN	$P_{tF.40}$	32	31	45	48	55	70	84	102	126
	CC	$P_{tC.20}$	34	31	71	74	176	250	325	350	384
45	---	$Pt_{0.40}$	73	86	111	132	128	157	191	252	206
	FAN	$P_{tF.40}$	31	33	44	46	53	67	80	99	120
	CC	$P_{tC.20}$	34	34	69	70	168	237	312	340	367
50	---	$Pt_{0.40}$	70	77	106	129	136	168	212	237	290
	FAN	$P_{tF.40}$	30	29	41	44	50	63	75	91	108
	CC	$P_{tC.20}$	32	30	65	68	159	224	294	312	339
56	---	$Pt_{0.40}$	72	83	115	123	130	159	204	231	278
	FAN	$P_{tF.40}$	29	32	42	42	47	59	72	89	103
	CC	$P_{tC.20}$	31	32	66	64	152	212	283	304	324
63	---	$Pt_{0.40}$	70	76	110	133	124	154	193	247	269
	FAN	$P_{tF.40}$	28	27	40	43	45	56	67	82	99
	CC	$P_{tC.20}$	30	28	63	65	143	202	264	283	310
71	---	$Pt_{0.40}$	66	81	104	126	118	146	186	241	257
	FAN	$P_{tF.40}$	27	29	37	40	43	54	65	80	94
	CC	$P_{tC.20}$	28	30	59	62	137	192	255	276	296
80	---	$Pt_{0.40}$	64	69	98	119	116	144	184	224	266
	FAN	$P_{tF.40}$	26	25	35	38	39	49	58	74	83
	CC	$P_{tC.20}$	27	25	56	58	126	175	230	254	263
90	---	$Pt_{0.40}$	64	75	96	113	111	136	178	219	255
	FAN	$P_{tF.40}$	26	27	34	36	38	46	56	72	80
	CC	$P_{tC.20}$	27	27	54	55	121	136	222	248	252
100	---	$Pt_{0.40}$	62	67	91	110	106	132	168	211	246
	FAN	$P_{tF.40}$	25	24	33	35	35	44	53	64	77
	CC	$P_{tC.20}$	26	24	52	53	114	159	209	222	242

40°C = 104°F

Nominal speed for all FAN ratings = 1000 rpm

Parallel Unit Thermal Ratings
M1/M3 Mounting - 1000 rpm @ 40°C

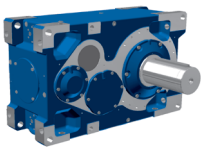


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.40}$	57	72	89	105	101	125	162	207	236
	FAN	$P_{tF.40}$	22	26	31	33	34	42	51	63	74
	CC	$P_{tC.20}$	24	26	49	51	109	152	202	217	232
125	---	$Pt_{0.40}$	55	59	87	102	---	---	---	193	---
	FAN	$P_{tF.40}$	21	21	30	32	---	---	---	58	---
	CC	$P_{tC.20}$	23	21	48	48	---	---	---	201	---
140	---	$Pt_{0.40}$	55	64	82	99	---	---	---	188	---
	FAN	$P_{tF.40}$	21	22	29	31	---	---	---	57	---
	CC	$P_{tC.20}$	23	23	45	47	---	---	---	196	---
160	---	$Pt_{0.40}$	53	57	80	94	---	---	---	---	---
	FAN	$P_{tF.40}$	21	20	27	29	---	---	---	---	---
	CC	$P_{tC.20}$	22	20	43	45	---	---	---	---	---
180	---	$Pt_{0.40}$	43	61	76	91	---	---	---	---	---
	FAN	$P_{tF.40}$	16	21	26	28	---	---	---	---	---
	CC	$P_{tC.20}$	18	22	41	43	---	---	---	---	---
200	---	$Pt_{0.40}$	42	45	63	87	---	---	---	---	---
	FAN	$P_{tF.40}$	16	16	21	27	---	---	---	---	---
	CC	$P_{tC.20}$	17	16	33	41	---	---	---	---	---
224	---	$Pt_{0.40}$	40	48	60	72	---	---	---	---	---
	FAN	$P_{tF.40}$	15	17	20	22	---	---	---	---	---
	CC	$P_{tC.20}$	16	17	32	33	---	---	---	---	---
250	---	$Pt_{0.40}$	39	42	58	69	---	---	---	---	---
	FAN	$P_{tF.40}$	15	14	19	21	---	---	---	---	---
	CC	$P_{tC.20}$	16	15	31	32	---	---	---	---	---
280	---	$Pt_{0.40}$	39	45	56	66	---	---	---	---	---
	FAN	$P_{tF.40}$	15	15	19	20	---	---	---	---	---
	CC	$P_{tC.20}$	16	16	30	30	---	---	---	---	---
315	---	$Pt_{0.40}$	38	41	55	63	---	---	---	---	---
	FAN	$P_{tF.40}$	14	14	18	19	---	---	---	---	---
	CC	$P_{tC.20}$	15	14	29	29	---	---	---	---	---
355	---	$Pt_{0.40}$	---	43	52	62	---	---	---	---	---
	FAN	$P_{tF.40}$	---	15	18	19	---	---	---	---	---
	CC	$P_{tC.20}$	---	15	28	28	---	---	---	---	---
400	---	$Pt_{0.40}$	---	---	---	60	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	18	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	27	---	---	---	---	---
450	---	$Pt_{0.40}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1000 rpm



Parallel Unit Thermal Ratings
M1/M3 Mounting - 1200 rpm @ 20°C

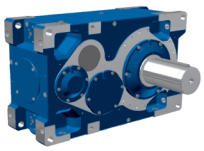
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.20}$	---	---	---	---	185	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	190	257	266	---	*
	CC	$P_{tC.20}$	---	---	---	---	484	758	952	---	355
6,3	---	$Pt_{0.20}$	---	---	---	---	189	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	177	262	288	---	*
	CC	$P_{tC.20}$	---	---	---	---	452	720	929	---	414
7,1	---	$Pt_{0.20}$	195	---	249	---	264	191	200	*	*
	FAN	$P_{tF.20}$	98	---	141	---	166	234	282	414	217
	CC	$P_{tC.20}$	84	---	180	---	429	659	870	1.054	909
8	---	$Pt_{0.20}$	190	209	238	309	257	191	213	32	*
	FAN	$P_{tF.20}$	94	88	132	141	155	214	263	396	256
	CC	$P_{tC.20}$	80	72	167	176	403	607	817	1.006	890
9	---	$Pt_{0.20}$	199	232	270	294	306	295	361	320	199
	FAN	$P_{tF.20}$	89	96	127	131	147	199	233	309	382
	CC	$P_{tC.20}$	76	80	161	164	384	574	747	863	947
10	---	$Pt_{0.20}$	193	208	255	325	293	281	353	328	218
	FAN	$P_{tF.20}$	85	80	118	127	138	183	220	297	355
	CC	$P_{tC.20}$	73	66	151	159	361	531	705	830	886
11,2	---	$Pt_{0.20}$	195	231	274	307	318	346	430	478	467
	FAN	$P_{tF.20}$	81	88	115	119	128	171	206	263	306
	CC	$P_{tC.20}$	69	72	146	148	338	500	668	751	794
12,5	---	$Pt_{0.20}$	188	202	258	325	303	327	415	470	453
	FAN	$P_{tF.20}$	78	73	107	115	121	160	195	252	286
	CC	$P_{tC.20}$	66	60	136	144	319	468	632	720	743
14	---	$Pt_{0.20}$	185	223	269	306	312	361	456	540	571
	FAN	$P_{tF.20}$	73	80	104	107	114	151	179	232	263
	CC	$P_{tC.20}$	62	66	132	134	300	445	586	669	691
16	---	$Pt_{0.20}$	179	191	253	317	297	338	437	526	546
	FAN	$P_{tF.20}$	70	66	97	104	108	141	170	223	247
	CC	$P_{tC.20}$	60	54	124	131	285	415	557	642	650
18	---	$Pt_{0.20}$	172	211	254	297	293	351	448	560	615
	FAN	$P_{tF.20}$	65	72	93	98	99	130	153	203	226
	CC	$P_{tC.20}$	56	60	118	122	261	385	503	590	597
20	---	$Pt_{0.20}$	166	177	239	296	279	329	429	543	584
	FAN	$P_{tF.20}$	63	59	87	93	94	122	146	196	213
	CC	$P_{tC.20}$	53	49	111	116	249	361	480	568	564
22,4	---	$Pt_{0.20}$	156	194	232	278	161	184	194	544	*
	FAN	$P_{tF.20}$	57	65	81	87	90	115	142	175	244
	CC	$P_{tC.20}$	49	53	103	109	235	334	452	510	583

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1200 rpm

Parallel Unit Thermal Ratings
M1/M3 Mounting - 1200 rpm @ 20ºC



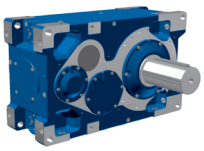
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.20}$	151	160	219	269	160	188	202	527	47
	FAN	$P_{tF.20}$	55	52	76	81	84	108	131	169	231
	CC	$P_{tC.20}$	47	43	97	102	219	315	419	492	548
28	---	$Pt_{0.20}$	106	175	171	254	153	178	195	267	49
	FAN	$P_{tF.20}$	46	57	67	77	80	102	125	155	219
	CC	$P_{tC.20}$	39	47	85	96	209	298	402	439	521
31,5	---	$Pt_{0.20}$	103	114	163	202	190	233	276	266	272
	FAN	$P_{tF.20}$	44	43	64	67	77	98	115	141	171
	CC	$P_{tC.20}$	38	35	81	84	202	288	375	401	441
35,5	---	$Pt_{0.20}$	98	122	156	192	181	220	266	260	261
	FAN	$P_{tF.20}$	42	46	60	64	73	92	110	137	163
	CC	$P_{tC.20}$	36	38	76	80	193	272	360	389	421
40	---	$Pt_{0.20}$	95	105	148	183	174	215	256	334	264
	FAN	$P_{tF.20}$	41	39	57	60	69	87	102	125	155
	CC	$P_{tC.20}$	34	32	73	75	181	258	335	360	399
45	---	$Pt_{0.20}$	95	113	145	174	166	203	246	326	253
	FAN	$P_{tF.20}$	40	42	55	57	66	83	98	121	148
	CC	$P_{tC.20}$	34	34	70	71	173	244	322	350	382
50	---	$Pt_{0.20}$	92	101	138	170	178	220	277	307	376
	FAN	$P_{tF.20}$	39	37	52	55	61	77	92	111	132
	CC	$P_{tC.20}$	33	31	67	69	163	230	302	321	349
56	---	$Pt_{0.20}$	95	109	152	162	170	208	267	299	359
	FAN	$P_{tF.20}$	37	40	53	52	59	73	88	108	126
	CC	$P_{tC.20}$	32	33	67	65	156	218	291	313	333
63	---	$Pt_{0.20}$	92	100	144	176	162	201	252	324	349
	FAN	$P_{tF.20}$	36	34	50	53	55	70	82	100	120
	CC	$P_{tC.20}$	31	28	64	66	146	207	272	291	318
71	---	$Pt_{0.20}$	87	108	136	167	155	191	243	315	334
	FAN	$P_{tF.20}$	34	37	47	50	53	66	79	97	115
	CC	$P_{tC.20}$	29	30	60	63	140	197	262	283	304
80	---	$Pt_{0.20}$	85	92	130	158	152	189	242	294	349
	FAN	$P_{tF.20}$	33	31	45	47	48	60	71	90	101
	CC	$P_{tC.20}$	28	26	57	59	129	180	236	260	269
90	---	$Pt_{0.20}$	84	99	126	150	146	179	234	287	335
	FAN	$P_{tF.20}$	33	34	43	45	46	57	69	87	97
	CC	$P_{tC.20}$	28	28	55	56	123	171	228	254	258
100	---	$Pt_{0.20}$	81	88	120	146	139	173	221	279	323
	FAN	$P_{tF.20}$	32	30	41	43	44	55	65	78	93
	CC	$P_{tC.20}$	27	25	52	54	116	163	214	227	248

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1200 rpm



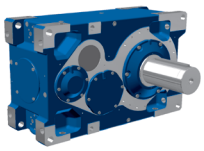
Parallel Unit Thermal Ratings
M1/M3 Mounting - 1200 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.20}$	75	95	117	138	133	164	214	272	310
	FAN	$P_{tF.20}$	28	32	39	41	42	52	62	76	89
	CC	$P_{tC.20}$	24	27	50	52	112	156	207	222	238
125	---	$Pt_{0.20}$	73	79	114	135	---	---	---	254	---
	FAN	$P_{tF.20}$	27	26	38	39	---	---	---	71	---
	CC	$P_{tC.20}$	23	22	49	49	---	---	---	205	---
140	---	$Pt_{0.20}$	73	85	109	131	---	---	---	248	---
	FAN	$P_{tF.20}$	27	28	36	38	---	---	---	69	---
	CC	$P_{tC.20}$	23	23	46	48	---	---	---	201	---
160	---	$Pt_{0.20}$	70	76	105	125	---	---	---	---	---
	FAN	$P_{tF.20}$	26	25	34	36	---	---	---	---	---
	CC	$P_{tC.20}$	22	21	44	45	---	---	---	---	---
180	---	$Pt_{0.20}$	56	81	100	120	---	---	---	---	---
	FAN	$P_{tF.20}$	21	27	33	35	---	---	---	---	---
	CC	$P_{tC.20}$	18	22	42	43	---	---	---	---	---
200	---	$Pt_{0.20}$	55	60	83	115	---	---	---	---	---
	FAN	$P_{tF.20}$	20	20	27	33	---	---	---	---	---
	CC	$P_{tC.20}$	17	16	34	41	---	---	---	---	---
224	---	$Pt_{0.20}$	53	63	80	95	---	---	---	---	---
	FAN	$P_{tF.20}$	20	21	26	27	---	---	---	---	---
	CC	$P_{tC.20}$	17	17	33	33	---	---	---	---	---
250	---	$Pt_{0.20}$	51	56	76	91	---	---	---	---	---
	FAN	$P_{tF.20}$	19	18	25	26	---	---	---	---	---
	CC	$P_{tC.20}$	16	15	31	32	---	---	---	---	---
280	---	$Pt_{0.20}$	51	59	73	87	---	---	---	---	---
	FAN	$P_{tF.20}$	19	19	24	25	---	---	---	---	---
	CC	$P_{tC.20}$	16	16	30	31	---	---	---	---	---
315	---	$Pt_{0.20}$	50	54	72	84	---	---	---	---	---
	FAN	$P_{tF.20}$	18	18	23	24	---	---	---	---	---
	CC	$P_{tC.20}$	16	15	29	30	---	---	---	---	---
355	---	$Pt_{0.20}$	---	57	69	82	---	---	---	---	---
	FAN	$P_{tF.20}$	---	19	22	23	---	---	---	---	---
	CC	$P_{tC.20}$	---	16	28	29	---	---	---	---	---
400	---	$Pt_{0.20}$	---	---	---	79	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	22	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	28	---	---	---	---	---
450	---	$Pt_{0.20}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1200 rpm

Parallel Unit Thermal Ratings
M1/M3 Mounting - 1200 rpm @ 40ºC



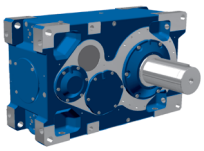
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.40}$	---	---	---	---	3	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	201	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	553	600	749	---	*
6,3	---	$Pt_{0.40}$	---	---	---	---	24	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	183	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	511	576	738	---	*
7,1	---	$Pt_{0.40}$	136	---	152	---	127	*	*	*	*
	FAN	$P_{tF.40}$	83	---	123	---	153	213	204	*	*
	CC	$P_{tC.20}$	89	---	192	---	463	714	892	813	599
8	---	$Pt_{0.40}$	133	149	149	199	130	*	*	*	*
	FAN	$P_{tF.40}$	80	75	114	124	143	211	216	33	*
	CC	$P_{tC.20}$	85	77	178	188	434	672	861	807	603
9	---	$Pt_{0.40}$	145	166	184	192	189	127	139	*	*
	FAN	$P_{tF.40}$	75	83	109	115	131	187	225	320	186
	CC	$P_{tC.20}$	80	84	171	175	408	621	811	970	882
10	---	$Pt_{0.40}$	141	154	176	228	184	127	146	7	*
	FAN	$P_{tF.40}$	72	68	102	111	123	171	210	321	207
	CC	$P_{tC.20}$	77	69	159	168	384	573	763	946	856
11,2	---	$Pt_{0.40}$	146	171	198	216	218	208	243	232	158
	FAN	$P_{tF.40}$	68	75	98	103	113	154	189	246	300
	CC	$P_{tC.20}$	72	76	154	157	356	532	712	808	873
12,5	---	$Pt_{0.40}$	142	153	187	238	208	198	238	235	167
	FAN	$P_{tF.40}$	65	62	91	100	107	143	179	235	278
	CC	$P_{tC.20}$	69	63	144	152	336	497	673	774	814
14	---	$Pt_{0.40}$	142	169	201	224	223	240	297	329	322
	FAN	$P_{tF.40}$	61	68	88	93	100	134	162	211	242
	CC	$P_{tC.20}$	65	69	139	141	316	470	619	710	738
16	---	$Pt_{0.40}$	137	147	189	237	213	225	286	323	312
	FAN	$P_{tF.40}$	59	56	82	90	94	125	153	203	227
	CC	$P_{tC.20}$	63	57	130	137	299	438	588	682	693
18	---	$Pt_{0.40}$	133	162	193	223	216	247	313	378	405
	FAN	$P_{tF.40}$	54	61	78	84	86	115	137	182	204
	CC	$P_{tC.20}$	58	63	123	128	274	405	529	622	631
20	---	$Pt_{0.40}$	128	137	182	226	206	232	301	368	387
	FAN	$P_{tF.40}$	52	50	73	80	82	107	130	175	192
	CC	$P_{tC.20}$	56	51	116	122	261	379	505	598	595
22,4	---	$Pt_{0.40}$	122	151	179	212	88	89	55	389	*
	FAN	$P_{tF.40}$	48	55	68	75	82	106	141	156	*
	CC	$P_{tC.20}$	51	56	108	114	251	358	496	535	427

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm



Parallel Unit Thermal Ratings
M1/M3 Mounting - 1200 rpm @ 40°C

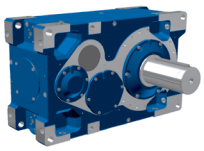
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.40}$	117	125	169	208	92	98	78	377	*
	FAN	$P_{tF.40}$	46	44	64	70	76	99	126	150	39
	CC	$P_{tC.20}$	49	45	101	107	234	338	455	516	448
28	---	$Pt_{0.40}$	79	137	127	196	89	94	76	120	*
	FAN	$P_{tF.40}$	38	48	57	66	72	94	121	147	41
	CC	$P_{tC.20}$	41	49	90	100	223	319	436	476	430
31,5	---	$Pt_{0.40}$	77	85	120	151	129	155	174	134	98
	FAN	$P_{tF.40}$	37	36	54	58	67	86	104	132	169
	CC	$P_{tC.20}$	39	37	85	88	213	304	397	433	488
35,5	---	$Pt_{0.40}$	74	92	116	143	124	147	167	132	95
	FAN	$P_{tF.40}$	35	38	51	55	64	81	100	129	161
	CC	$P_{tC.20}$	37	39	80	84	203	286	381	420	465
40	---	$Pt_{0.40}$	71	79	110	138	120	145	164	221	110
	FAN	$P_{tF.40}$	34	33	48	52	60	77	93	113	150
	CC	$P_{tC.20}$	36	33	76	79	190	272	354	382	438
45	---	$Pt_{0.40}$	71	85	108	131	115	137	158	216	106
	FAN	$P_{tF.40}$	33	35	47	49	58	73	89	110	143
	CC	$P_{tC.20}$	36	36	74	75	182	257	341	371	418
50	---	$Pt_{0.40}$	69	76	103	128	130	159	197	207	253
	FAN	$P_{tF.40}$	32	31	44	47	53	68	81	101	118
	CC	$P_{tC.20}$	34	32	70	72	170	241	317	340	368
56	---	$Pt_{0.40}$	73	82	117	122	125	151	189	201	243
	FAN	$P_{tF.40}$	31	34	45	45	51	64	78	98	113
	CC	$P_{tC.20}$	33	34	70	69	163	228	305	331	352
63	---	$Pt_{0.40}$	71	77	111	136	119	146	180	235	238
	FAN	$P_{tF.40}$	30	29	42	45	48	61	73	89	108
	CC	$P_{tC.20}$	32	29	67	69	153	217	285	305	335
71	---	$Pt_{0.40}$	67	83	105	129	114	138	174	229	227
	FAN	$P_{tF.40}$	28	31	40	43	46	58	70	87	103
	CC	$P_{tC.20}$	30	32	63	66	147	206	274	297	321
80	---	$Pt_{0.40}$	65	71	100	122	115	142	180	214	256
	FAN	$P_{tF.40}$	27	26	38	40	42	52	63	80	90
	CC	$P_{tC.20}$	29	27	60	62	134	187	247	274	281
90	---	$Pt_{0.40}$	65	76	97	116	110	135	174	209	246
	FAN	$P_{tF.40}$	27	28	37	38	40	50	61	78	86
	CC	$P_{tC.20}$	29	29	58	59	129	178	238	267	270
100	---	$Pt_{0.40}$	63	68	93	113	105	130	165	210	238
	FAN	$P_{tF.40}$	26	25	35	37	38	48	57	69	83
	CC	$P_{tC.20}$	28	26	55	57	122	171	224	238	259

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm

Parallel Unit Thermal Ratings
M1/M3 Mounting - 1200 rpm @ 40°C

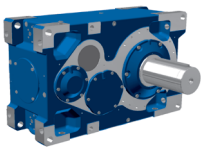


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.40}$	59	73	91	107	101	124	159	205	229
	FAN	$P_{tF.40}$	23	27	33	35	37	45	55	67	79
	CC	$P_{tC.20}$	25	28	52	54	117	163	216	232	249
125	---	$Pt_{0.40}$	57	61	89	105	---	---	---	192	---
	FAN	$P_{tF.40}$	23	22	32	34	---	---	---	62	---
	CC	$P_{tC.20}$	24	22	51	52	---	---	---	215	---
140	---	$Pt_{0.40}$	56	66	85	103	---	---	---	187	---
	FAN	$P_{tF.40}$	23	24	31	33	---	---	---	61	---
	CC	$P_{tC.20}$	24	24	48	50	---	---	---	210	---
160	---	$Pt_{0.40}$	55	59	82	98	---	---	---	---	---
	FAN	$P_{tF.40}$	22	21	29	31	---	---	---	---	---
	CC	$P_{tC.20}$	23	22	46	47	---	---	---	---	---
180	---	$Pt_{0.40}$	44	63	78	94	---	---	---	---	---
	FAN	$P_{tF.40}$	17	23	28	30	---	---	---	---	---
	CC	$P_{tC.20}$	19	23	44	45	---	---	---	---	---
200	---	$Pt_{0.40}$	43	47	65	90	---	---	---	---	---
	FAN	$P_{tF.40}$	17	16	22	28	---	---	---	---	---
	CC	$P_{tC.20}$	18	17	35	43	---	---	---	---	---
224	---	$Pt_{0.40}$	41	49	63	75	---	---	---	---	---
	FAN	$P_{tF.40}$	16	18	22	23	---	---	---	---	---
	CC	$P_{tC.20}$	17	18	34	35	---	---	---	---	---
250	---	$Pt_{0.40}$	40	44	60	72	---	---	---	---	---
	FAN	$P_{tF.40}$	16	15	21	22	---	---	---	---	---
	CC	$P_{tC.20}$	17	16	33	34	---	---	---	---	---
280	---	$Pt_{0.40}$	40	46	58	69	---	---	---	---	---
	FAN	$P_{tF.40}$	16	16	20	21	---	---	---	---	---
	CC	$P_{tC.20}$	17	17	31	32	---	---	---	---	---
315	---	$Pt_{0.40}$	39	42	57	66	---	---	---	---	---
	FAN	$P_{tF.40}$	15	15	19	20	---	---	---	---	---
	CC	$P_{tC.20}$	16	15	31	31	---	---	---	---	---
355	---	$Pt_{0.40}$	---	45	54	65	---	---	---	---	---
	FAN	$P_{tF.40}$	---	16	19	20	---	---	---	---	---
	CC	$P_{tC.20}$	---	16	30	30	---	---	---	---	---
400	---	$Pt_{0.40}$	---	---	---	62	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	19	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	29	---	---	---	---	---
450	---	$Pt_{0.40}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm



Parallel Unit Thermal Ratings
M1/M3 Mounting - 1500 rpm @ 20°C

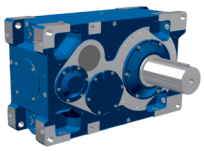
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	158	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	516	406	482	---	*
6,3	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	175	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	506	412	509	---	*
7,1	---	$Pt_{0.20}$	163	---	162	---	89	*	*	*	*
	FAN	$P_{tF.20}$	109	---	163	---	212	128	26	*	*
	CC	$P_{tC.20}$	93	---	205	---	515	657	794	542	*
8	---	$Pt_{0.20}$	161	184	162	226	103	*	*	*	*
	FAN	$P_{tF.20}$	104	97	151	161	194	147	73	*	*
	CC	$P_{tC.20}$	89	80	190	200	478	626	781	568	81
9	---	$Pt_{0.20}$	182	206	220	222	206	59	32	*	*
	FAN	$P_{tF.20}$	98	106	142	149	170	265	323	198	*
	CC	$P_{tC.20}$	83	88	180	185	436	698	921	884	659
10	---	$Pt_{0.20}$	178	197	212	279	203	73	59	*	*
	FAN	$P_{tF.20}$	94	87	132	141	160	240	297	227	*
	CC	$P_{tC.20}$	80	72	168	176	410	640	860	880	663
11,2	---	$Pt_{0.20}$	187	219	247	267	262	220	242	173	*
	FAN	$P_{tF.20}$	88	96	126	131	145	200	245	330	417
	CC	$P_{tC.20}$	75	79	160	164	376	570	768	891	992
12,5	---	$Pt_{0.20}$	182	198	234	301	252	214	243	187	14
	FAN	$P_{tF.20}$	84	79	118	126	136	186	231	314	402
	CC	$P_{tC.20}$	72	65	150	158	355	532	725	850	939
14	---	$Pt_{0.20}$	184	219	257	285	279	284	346	359	315
	FAN	$P_{tF.20}$	79	87	113	118	127	172	205	270	312
	CC	$P_{tC.20}$	67	72	144	147	331	498	658	760	797
16	---	$Pt_{0.20}$	178	192	243	307	267	268	336	356	312
	FAN	$P_{tF.20}$	76	71	106	114	120	160	194	258	292
	CC	$P_{tC.20}$	65	59	135	142	314	464	624	729	747
18	---	$Pt_{0.20}$	174	212	251	289	277	308	389	456	476
	FAN	$P_{tF.20}$	70	78	100	106	109	146	171	229	256
	CC	$P_{tC.20}$	60	64	128	133	287	426	557	657	668
20	---	$Pt_{0.20}$	168	181	237	296	264	289	374	445	457
	FAN	$P_{tF.20}$	68	64	94	101	104	136	163	220	241
	CC	$P_{tC.20}$	58	53	120	126	272	399	531	632	629
22,4	---	$Pt_{0.20}$	160	199	235	279	82	63	*	491	*
	FAN	$P_{tF.20}$	62	70	88	94	108	145	175	194	*
	CC	$P_{tC.20}$	53	57	112	118	273	396	541	561	228

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1500 rpm

Parallel Unit Thermal Ratings
M1/M3 Mounting - 1500 rpm @ 20ºC



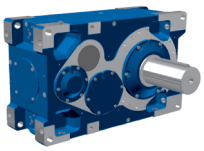
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.20}$	155	166	222	275	93	84	15	477	*
	FAN	$P_{tF.20}$	60	56	82	88	99	133	183	187	*
	CC	$P_{tC.20}$	51	46	105	110	252	369	519	541	293
28	---	$Pt_{0.20}$	101	181	161	259	90	81	17	68	*
	FAN	$P_{tF.20}$	50	61	74	83	95	125	175	204	*
	CC	$P_{tC.20}$	42	51	94	103	241	348	497	535	284
31,5	---	$Pt_{0.20}$	98	111	153	195	156	183	194	106	*
	FAN	$P_{tF.20}$	48	46	70	73	86	111	133	177	249
	CC	$P_{tC.20}$	41	38	89	92	225	322	424	477	570
35,5	---	$Pt_{0.20}$	94	119	148	185	150	173	188	105	2
	FAN	$P_{tF.20}$	45	49	66	70	82	104	127	172	238
	CC	$P_{tC.20}$	39	41	84	87	215	304	407	464	544
40	---	$Pt_{0.20}$	92	103	141	178	146	173	188	260	44
	FAN	$P_{tF.20}$	44	42	62	66	77	99	118	143	211
	CC	$P_{tC.20}$	37	35	79	82	201	288	377	405	499
45	---	$Pt_{0.20}$	91	110	139	169	140	164	181	254	44
	FAN	$P_{tF.20}$	43	45	60	62	74	93	113	139	201
	CC	$P_{tC.20}$	37	37	77	78	192	272	363	394	476
50	---	$Pt_{0.20}$	89	99	132	166	166	201	246	246	302
	FAN	$P_{tF.20}$	42	40	57	60	68	86	102	127	149
	CC	$P_{tC.20}$	36	33	73	75	178	252	333	360	389
56	---	$Pt_{0.20}$	96	106	153	158	159	190	237	240	290
	FAN	$P_{tF.20}$	40	43	57	57	65	81	98	123	142
	CC	$P_{tC.20}$	34	35	73	71	171	239	321	351	371
63	---	$Pt_{0.20}$	93	102	146	180	152	185	226	298	286
	FAN	$P_{tF.20}$	39	37	54	57	61	77	92	111	135
	CC	$P_{tC.20}$	33	30	69	71	160	228	299	320	354
71	---	$Pt_{0.20}$	89	110	138	170	146	175	218	290	274
	FAN	$P_{tF.20}$	36	40	51	54	58	73	88	108	129
	CC	$P_{tC.20}$	31	33	65	68	154	216	288	312	338
80	---	$Pt_{0.20}$	86	94	131	161	150	184	233	272	329
	FAN	$P_{tF.20}$	35	34	48	51	53	66	78	99	111
	CC	$P_{tC.20}$	30	28	62	64	140	195	257	287	293
90	---	$Pt_{0.20}$	85	101	128	153	144	175	225	266	316
	FAN	$P_{tF.20}$	35	36	47	48	51	63	75	97	106
	CC	$P_{tC.20}$	30	30	60	61	134	186	248	279	282
100	---	$Pt_{0.20}$	83	90	122	149	137	169	214	274	306
	FAN	$P_{tF.20}$	34	32	45	47	48	60	71	85	102
	CC	$P_{tC.20}$	29	27	57	58	127	178	233	247	270

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1500 rpm



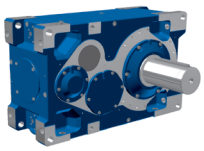
Parallel Unit Thermal Ratings
M1/M3 Mounting - 1500 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.20}$	77	97	121	142	132	161	207	267	294
	FAN	$P_{tF.20}$	30	35	42	45	46	57	68	83	98
	CC	$P_{tC.20}$	26	29	54	56	122	170	226	241	260
125	---	$Pt_{0.20}$	75	82	117	140	---	---	---	250	---
	FAN	$P_{tF.20}$	29	28	41	42	---	---	---	77	---
	CC	$P_{tC.20}$	25	23	52	53	---	---	---	224	---
140	---	$Pt_{0.20}$	75	88	112	136	---	---	---	245	---
	FAN	$P_{tF.20}$	29	30	39	41	---	---	---	75	---
	CC	$P_{tC.20}$	25	25	50	51	---	---	---	219	---
160	---	$Pt_{0.20}$	72	79	109	129	---	---	---	---	---
	FAN	$P_{tF.20}$	28	27	37	39	---	---	---	---	---
	CC	$P_{tC.20}$	24	22	47	49	---	---	---	---	---
180	---	$Pt_{0.20}$	58	84	104	125	---	---	---	---	---
	FAN	$P_{tF.20}$	22	29	35	37	---	---	---	---	---
	CC	$P_{tC.20}$	19	24	45	46	---	---	---	---	---
200	---	$Pt_{0.20}$	57	62	87	119	---	---	---	---	---
	FAN	$P_{tF.20}$	22	21	29	35	---	---	---	---	---
	CC	$P_{tC.20}$	19	17	36	44	---	---	---	---	---
224	---	$Pt_{0.20}$	55	66	83	99	---	---	---	---	---
	FAN	$P_{tF.20}$	21	22	28	29	---	---	---	---	---
	CC	$P_{tC.20}$	18	18	35	36	---	---	---	---	---
250	---	$Pt_{0.20}$	53	58	80	96	---	---	---	---	---
	FAN	$P_{tF.20}$	20	19	26	28	---	---	---	---	---
	CC	$P_{tC.20}$	17	16	34	34	---	---	---	---	---
280	---	$Pt_{0.20}$	53	62	77	92	---	---	---	---	---
	FAN	$P_{tF.20}$	20	21	25	26	---	---	---	---	---
	CC	$P_{tC.20}$	17	17	32	33	---	---	---	---	---
315	---	$Pt_{0.20}$	52	56	75	88	---	---	---	---	---
	FAN	$P_{tF.20}$	20	19	25	25	---	---	---	---	---
	CC	$P_{tC.20}$	17	16	32	32	---	---	---	---	---
355	---	$Pt_{0.20}$	---	60	72	86	---	---	---	---	---
	FAN	$P_{tF.20}$	---	20	24	25	---	---	---	---	---
	CC	$P_{tC.20}$	---	17	30	31	---	---	---	---	---
400	---	$Pt_{0.20}$	---	---	---	83	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	24	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	30	---	---	---	---	---
450	---	$Pt_{0.20}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1500 rpm

Parallel Unit Thermal Ratings
M1/M3 Mounting - 1500 rpm @40º C



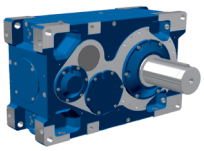
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5.6	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	382	197	205	---	*
6,3	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	381	226	261	---	*
7,1	---	$Pt_{0.40}$	95	---	36	---	*	*	*	*	*
	FAN	$P_{tF.40}$	95	---	157	---	113	*	*	*	*
	CC	$P_{tC.20}$	101	---	237	---	487	497	582	212	*
8	---	$Pt_{0.40}$	96	117	47	94	*	*	*	*	*
	FAN	$P_{tF.40}$	90	84	144	149	124	*	*	*	*
	CC	$P_{tC.20}$	96	86	217	222	471	479	582	264	*
9	---	$Pt_{0.40}$	122	132	122	101	52	*	*	*	*
	FAN	$P_{tF.40}$	83	93	125	137	171	87	37	*	*
	CC	$P_{tC.20}$	89	95	194	204	487	620	773	634	323
10	---	$Pt_{0.40}$	120	137	121	168	61	*	*	*	*
	FAN	$P_{tF.40}$	80	75	116	126	158	99	64	*	*
	CC	$P_{tC.20}$	85	77	181	190	454	586	750	640	352
11,2	---	$Pt_{0.40}$	134	153	162	164	144	32	*	*	*
	FAN	$P_{tF.40}$	74	82	109	117	132	207	245	173	*
	CC	$P_{tC.20}$	79	84	171	176	403	640	851	850	726
12,5	---	$Pt_{0.40}$	131	144	155	204	142	41	*	*	*
	FAN	$P_{tF.40}$	71	67	102	111	124	190	246	187	*
	CC	$P_{tC.20}$	76	69	159	168	380	594	817	832	704
14	---	$Pt_{0.40}$	136	160	181	195	179	140	154	84	*
	FAN	$P_{tF.40}$	66	74	97	103	113	159	194	275	306
	CC	$P_{tC.20}$	71	76	152	156	352	536	710	846	884
16	---	$Pt_{0.40}$	132	144	172	220	172	135	155	96	*
	FAN	$P_{tF.40}$	64	61	91	99	107	147	183	260	303
	CC	$P_{tC.20}$	68	62	142	150	333	498	672	808	845
18	---	$Pt_{0.40}$	132	159	184	208	191	190	235	244	229
	FAN	$P_{tF.40}$	59	66	85	92	96	131	157	212	240
	CC	$P_{tC.20}$	63	68	134	140	303	453	592	703	721
20	---	$Pt_{0.40}$	128	138	174	219	183	179	228	241	224
	FAN	$P_{tF.40}$	57	54	80	87	91	122	149	204	226
	CC	$P_{tC.20}$	61	55	126	132	287	423	564	676	678
22,4	---	$Pt_{0.40}$	123	151	177	207	*	*	*	316	*
	FAN	$P_{tF.40}$	52	59	74	81	93	77	*	175	*
	CC	$P_{tC.20}$	55	60	117	124	291	379	432	593	*

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1500 rpm



Parallel Unit Thermal Ratings
M1/M3 Mounting - 1500 rpm @ 40°C

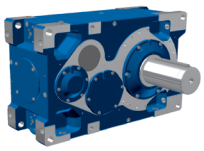
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.40}$	119	128	168	208	*	*	*	309	*
	FAN	$P_{tF.40}$	50	48	70	76	103	97	18	169	*
	CC	$P_{tC.20}$	53	49	110	115	286	378	433	572	86
28	---	$Pt_{0.40}$	71	140	111	197	*	*	*	*	*
	FAN	$P_{tF.40}$	42	52	63	71	100	93	20	69	*
	CC	$P_{tC.20}$	44	53	99	108	274	358	417	478	87
31,5	---	$Pt_{0.40}$	70	80	106	138	86	91	67	*	*
	FAN	$P_{tF.40}$	40	39	60	64	78	102	129	106	*
	CC	$P_{tC.20}$	43	40	94	97	241	345	462	469	422
35,5	---	$Pt_{0.40}$	67	85	104	132	83	87	65	*	*
	FAN	$P_{tF.40}$	38	42	56	60	75	96	124	106	*
	CC	$P_{tC.20}$	40	43	88	92	230	326	443	458	405
40	---	$Pt_{0.40}$	65	74	99	128	84	91	76	125	*
	FAN	$P_{tF.40}$	37	35	53	57	70	91	113	135	36
	CC	$P_{tC.20}$	39	36	84	86	215	308	409	438	410
45	---	$Pt_{0.40}$	66	80	98	122	81	86	74	123	*
	FAN	$P_{tF.40}$	36	38	52	54	67	86	109	131	37
	CC	$P_{tC.20}$	39	39	81	82	205	291	393	426	393
50	---	$Pt_{0.40}$	64	72	94	120	113	133	155	127	160
	FAN	$P_{tF.40}$	35	34	49	52	60	76	92	119	138
	CC	$P_{tC.20}$	37	35	77	79	188	266	353	389	418
56	---	$Pt_{0.40}$	73	77	116	114	108	126	149	124	154
	FAN	$P_{tF.40}$	33	36	48	50	57	72	89	116	132
	CC	$P_{tC.20}$	35	37	76	75	180	252	339	379	399
63	---	$Pt_{0.40}$	71	78	110	136	104	123	144	198	157
	FAN	$P_{tF.40}$	32	31	46	49	54	69	83	100	125
	CC	$P_{tC.20}$	34	32	72	75	169	240	317	339	379
71	---	$Pt_{0.40}$	67	83	104	129	100	117	139	193	150
	FAN	$P_{tF.40}$	30	33	43	47	51	65	80	98	120
	CC	$P_{tC.20}$	32	34	68	71	162	228	305	330	363
80	---	$Pt_{0.40}$	65	71	99	123	109	132	165	183	226
	FAN	$P_{tF.40}$	29	28	41	44	46	58	69	90	99
	CC	$P_{tC.20}$	31	29	65	67	147	205	270	304	309
90	---	$Pt_{0.40}$	65	77	97	117	105	125	159	178	217
	FAN	$P_{tF.40}$	29	30	40	42	44	55	67	87	95
	CC	$P_{tC.20}$	31	31	62	64	141	195	261	296	297
100	---	$Pt_{0.40}$	62	69	92	114	100	122	152	198	212
	FAN	$P_{tF.40}$	28	27	38	40	42	53	63	76	92
	CC	$P_{tC.20}$	30	28	59	61	133	186	245	260	285

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1500 rpm

Parallel Unit Thermal Ratings
M1/M3 Mounting - 1500 rpm @ 40°C

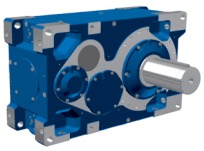


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.40}$	60	74	93	108	96	116	147	194	203
	FAN	$P_{tF.40}$	25	29	36	38	40	50	61	74	88
	CC	$P_{tC.20}$	27	30	57	58	128	178	237	254	274
125	---	$Pt_{0.40}$	58	63	90	108	---	---	---	182	---
	FAN	$P_{tF.40}$	24	24	35	36	---	---	---	69	---
	CC	$P_{tC.20}$	26	24	55	56	---	---	---	236	---
140	---	$Pt_{0.40}$	57	67	86	105	---	---	---	178	---
	FAN	$P_{tF.40}$	24	25	33	35	---	---	---	67	---
	CC	$P_{tC.20}$	26	26	52	54	---	---	---	230	---
160	---	$Pt_{0.40}$	56	61	84	100	---	---	---	---	---
	FAN	$P_{tF.40}$	23	23	31	34	---	---	---	---	---
	CC	$P_{tC.20}$	25	23	49	51	---	---	---	---	---
180	---	$Pt_{0.40}$	45	65	80	97	---	---	---	---	---
	FAN	$P_{tF.40}$	18	24	30	32	---	---	---	---	---
	CC	$P_{tC.20}$	20	25	47	49	---	---	---	---	---
200	---	$Pt_{0.40}$	44	48	68	93	---	---	---	---	---
	FAN	$P_{tF.40}$	18	18	24	30	---	---	---	---	---
	CC	$P_{tC.20}$	19	18	38	46	---	---	---	---	---
224	---	$Pt_{0.40}$	42	51	65	78	---	---	---	---	---
	FAN	$P_{tF.40}$	17	19	23	25	---	---	---	---	---
	CC	$P_{tC.20}$	18	19	37	37	---	---	---	---	---
250	---	$Pt_{0.40}$	41	45	62	75	---	---	---	---	---
	FAN	$P_{tF.40}$	17	16	22	24	---	---	---	---	---
	CC	$P_{tC.20}$	18	17	35	36	---	---	---	---	---
280	---	$Pt_{0.40}$	41	48	60	72	---	---	---	---	---
	FAN	$P_{tF.40}$	17	17	21	23	---	---	---	---	---
	CC	$P_{tC.20}$	18	18	34	35	---	---	---	---	---
315	---	$Pt_{0.40}$	40	44	59	69	---	---	---	---	---
	FAN	$P_{tF.40}$	16	16	21	22	---	---	---	---	---
	CC	$P_{tC.20}$	17	16	33	33	---	---	---	---	---
355	---	$Pt_{0.40}$	---	46	57	68	---	---	---	---	---
	FAN	$P_{tF.40}$	---	17	20	21	---	---	---	---	---
	CC	$P_{tC.20}$	---	17	32	32	---	---	---	---	---
400	---	$Pt_{0.40}$	---	---	---	65	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	20	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	31	---	---	---	---	---
450	---	$Pt_{0.40}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1500 rpm



Parallel Unit Thermal Ratings
M1/M3 Mounting - 1800 rpm @ 20°C

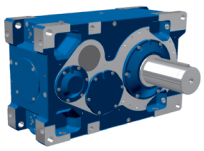
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	259	*	*	---	*
6,3	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	279	*	*	---	*
7,1	---	$Pt_{0.20}$	110	---	6	---	*	*	*	*	*
	FAN	$P_{tF.20}$	123	---	212	---	70	*	*	*	*
	CC	$P_{tC.20}$	105	---	261	---	450	333	328	*	*
8	---	$Pt_{0.20}$	113	143	26	87	*	*	*	*	*
	FAN	$P_{tF.20}$	117	108	192	195	93	*	*	*	*
	CC	$P_{tC.20}$	100	89	238	240	443	340	363	*	*
9	---	$Pt_{0.20}$	152	162	139	102	24	*	*	*	*
	FAN	$P_{tF.20}$	107	118	161	176	226	7	*	*	*
	CC	$P_{tC.20}$	91	98	203	217	529	567	691	382	*
10	---	$Pt_{0.20}$	150	174	140	203	40	*	*	*	*
	FAN	$P_{tF.20}$	102	95	149	158	208	35	*	*	*
	CC	$P_{tC.20}$	87	79	189	197	492	542	681	414	*
11,2	---	$Pt_{0.20}$	171	194	200	199	168	*	*	*	*
	FAN	$P_{tF.20}$	95	104	139	147	167	261	241	73	*
	CC	$P_{tC.20}$	81	86	176	182	423	684	849	783	547
12,5	---	$Pt_{0.20}$	167	186	192	257	167	1	*	*	*
	FAN	$P_{tF.20}$	91	85	130	138	156	254	248	105	*
	CC	$P_{tC.20}$	78	70	165	172	398	648	820	775	549
14	---	$Pt_{0.20}$	176	207	231	246	222	156	161	25	*
	FAN	$P_{tF.20}$	85	93	123	129	141	202	246	364	281
	CC	$P_{tC.20}$	72	77	156	161	365	565	753	923	853
16	---	$Pt_{0.20}$	171	187	219	284	214	152	166	47	*
	FAN	$P_{tF.20}$	82	77	115	123	134	187	231	343	288
	CC	$P_{tC.20}$	70	63	146	154	345	525	711	879	822
18	---	$Pt_{0.20}$	171	207	239	269	245	235	290	283	248
	FAN	$P_{tF.20}$	75	84	108	115	120	164	194	264	301
	CC	$P_{tC.20}$	64	69	137	143	312	471	617	738	760
20	---	$Pt_{0.20}$	166	180	226	286	234	223	282	282	247
	FAN	$P_{tF.20}$	73	68	101	108	114	153	184	254	282
	CC	$P_{tC.20}$	62	56	129	135	296	441	587	709	714
22,4	---	$Pt_{0.20}$	161	198	231	270	*	*	*	398	*
	FAN	$P_{tF.20}$	66	74	94	101	88	46	*	215	*
	CC	$P_{tC.20}$	56	61	119	127	283	356	363	615	*

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1800 rpm

Parallel Unit Thermal Ratings
M1/M3 Mounting - 1800 rpm @ 20ºC



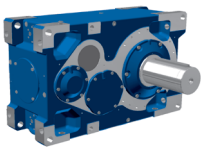
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.20}$	156	168	219	273	*	*	*	389	*
	FAN	$P_{tF.20}$	64	60	88	94	107	82	*	207	*
	CC	$P_{tC.20}$	54	50	112	117	285	365	384	593	*
28	---	$Pt_{0.20}$	91	184	141	258	*	*	*	*	*
	FAN	$P_{tF.20}$	53	65	80	88	104	80	*	*	*
	CC	$P_{tC.20}$	46	54	102	110	273	346	371	425	*
31,5	---	$Pt_{0.20}$	89	103	134	177	101	100	51	*	*
	FAN	$P_{tF.20}$	52	49	76	80	99	130	169	59	*
	CC	$P_{tC.20}$	44	41	97	99	252	364	497	437	329
35,5	---	$Pt_{0.20}$	86	110	132	169	97	96	52	*	*
	FAN	$P_{tF.20}$	49	53	72	75	94	122	161	61	*
	CC	$P_{tC.20}$	41	44	91	94	241	344	477	427	318
40	---	$Pt_{0.20}$	84	96	126	165	100	103	71	135	*
	FAN	$P_{tF.20}$	47	45	68	71	88	115	145	169	*
	CC	$P_{tC.20}$	40	37	86	89	224	324	437	464	340
45	---	$Pt_{0.20}$	84	103	125	157	96	98	70	133	*
	FAN	$P_{tF.20}$	47	48	65	67	84	109	139	165	*
	CC	$P_{tC.20}$	40	40	83	84	215	307	420	451	327
50	---	$Pt_{0.20}$	81	93	119	155	144	167	192	142	181
	FAN	$P_{tF.20}$	45	43	62	65	74	95	114	149	172
	CC	$P_{tC.20}$	38	35	79	81	194	276	367	410	439
56	---	$Pt_{0.20}$	95	100	151	147	138	158	185	140	174
	FAN	$P_{tF.20}$	42	46	61	62	71	90	110	145	164
	CC	$P_{tC.20}$	36	38	78	77	186	262	353	399	419
63	---	$Pt_{0.20}$	92	102	143	179	133	156	180	250	181
	FAN	$P_{tF.20}$	41	39	58	61	67	85	102	123	155
	CC	$P_{tC.20}$	35	32	74	76	175	249	329	351	398
71	---	$Pt_{0.20}$	87	109	136	170	128	148	174	244	174
	FAN	$P_{tF.20}$	39	42	55	58	64	81	98	120	149
	CC	$P_{tC.20}$	33	35	70	72	167	236	317	342	380
80	---	$Pt_{0.20}$	85	94	130	161	142	171	213	232	289
	FAN	$P_{tF.20}$	37	36	52	55	57	71	85	110	121
	CC	$P_{tC.20}$	32	30	66	68	151	211	278	314	319
90	---	$Pt_{0.20}$	84	101	126	153	136	163	206	226	278
	FAN	$P_{tF.20}$	37	38	50	52	55	68	82	107	116
	CC	$P_{tC.20}$	32	32	64	65	145	201	269	306	306
100	---	$Pt_{0.20}$	82	90	120	149	130	158	197	258	271
	FAN	$P_{tF.20}$	36	34	48	50	52	65	77	92	112
	CC	$P_{tC.20}$	31	28	61	62	136	192	252	267	294

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1800 rpm



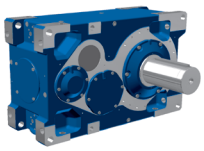
Parallel Unit Thermal Ratings
M1/M3 Mounting - 1800 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.20}$	78	97	122	142	125	150	190	252	261
	FAN	$P_{tF.20}$	32	37	45	48	50	62	74	90	107
	CC	$P_{tC.20}$	27	30	58	59	131	183	244	261	282
125	---	$Pt_{0.20}$	76	83	118	142	---	---	---	237	---
	FAN	$P_{tF.20}$	31	30	44	45	---	---	---	84	---
	CC	$P_{tC.20}$	26	25	56	57	---	---	---	242	---
140	---	$Pt_{0.20}$	76	89	113	138	---	---	---	231	---
	FAN	$P_{tF.20}$	31	32	42	44	---	---	---	82	---
	CC	$P_{tC.20}$	26	26	53	55	---	---	---	236	---
160	---	$Pt_{0.20}$	73	80	110	132	---	---	---	---	---
	FAN	$P_{tF.20}$	30	29	40	42	---	---	---	---	---
	CC	$P_{tC.20}$	25	24	50	52	---	---	---	---	---
180	---	$Pt_{0.20}$	60	86	105	128	---	---	---	---	---
	FAN	$P_{tF.20}$	24	31	38	40	---	---	---	---	---
	CC	$P_{tC.20}$	20	25	48	49	---	---	---	---	---
200	---	$Pt_{0.20}$	58	64	89	122	---	---	---	---	---
	FAN	$P_{tF.20}$	23	22	30	38	---	---	---	---	---
	CC	$P_{tC.20}$	20	18	39	47	---	---	---	---	---
224	---	$Pt_{0.20}$	56	68	86	103	---	---	---	---	---
	FAN	$P_{tF.20}$	22	24	29	30	---	---	---	---	---
	CC	$P_{tC.20}$	19	19	37	38	---	---	---	---	---
250	---	$Pt_{0.20}$	54	60	82	99	---	---	---	---	---
	FAN	$P_{tF.20}$	21	21	28	29	---	---	---	---	---
	CC	$P_{tC.20}$	18	17	36	37	---	---	---	---	---
280	---	$Pt_{0.20}$	54	63	79	95	---	---	---	---	---
	FAN	$P_{tF.20}$	21	22	27	28	---	---	---	---	---
	CC	$P_{tC.20}$	18	18	34	35	---	---	---	---	---
315	---	$Pt_{0.20}$	53	58	77	91	---	---	---	---	---
	FAN	$P_{tF.20}$	21	20	26	27	---	---	---	---	---
	CC	$P_{tC.20}$	18	17	34	34	---	---	---	---	---
355	---	$Pt_{0.20}$	---	61	74	89	---	---	---	---	---
	FAN	$P_{tF.20}$	---	21	25	26	---	---	---	---	---
	CC	$P_{tC.20}$	---	18	32	33	---	---	---	---	---
400	---	$Pt_{0.20}$	---	---	---	86	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	25	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	32	---	---	---	---	---
450	---	$Pt_{0.20}$	---	---	---	--	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1800 rpm

Parallel Unit Thermal Ratings
M1/M3 Mounting - 1800 rpm @ 40°C



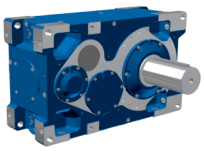
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	69	*	*	---	*
6,3	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	109	*	*	---	*
7,1	---	$Pt_{0.40}$	22	---	*	---	*	*	*	*	*
	FAN	$P_{tF.40}$	118	---	52	---	*	*	*	*	*
	CC	$P_{tC.20}$	125	---	157	---	314	110	4	*	*
8	---	$Pt_{0.40}$	31	61	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	111	100	67	111	*	*	*	*	*
	CC	$P_{tC.20}$	118	102	162	200	316	144	75	*	*
9	---	$Pt_{0.40}$	84	75	10	*	*	*	*	*	*
	FAN	$P_{tF.40}$	94	108	161	122	48	*	*	*	*
	CC	$P_{tC.20}$	100	110	240	203	437	406	480	6	*
10	---	$Pt_{0.40}$	85	107	22	67	*	*	*	*	*
	FAN	$P_{tF.40}$	89	83	147	152	63	*	*	*	*
	CC	$P_{tC.20}$	95	85	220	225	423	395	483	67	*
11,2	---	$Pt_{0.40}$	112	121	102	76	9	*	*	*	*
	FAN	$P_{tF.40}$	81	91	124	139	176	11	*	*	*
	CC	$P_{tC.20}$	87	93	192	205	482	551	669	533	199
12,5	---	$Pt_{0.40}$	111	128	102	148	20	*	*	*	*
	FAN	$P_{tF.40}$	78	73	115	124	162	28	*	*	*
	CC	$P_{tC.20}$	83	75	179	187	451	524	651	537	231
14	---	$Pt_{0.40}$	124	142	147	145	103	*	*	*	*
	FAN	$P_{tF.40}$	72	80	107	115	133	175	165	26	*
	CC	$P_{tC.20}$	77	82	167	173	397	605	760	737	592
16	---	$Pt_{0.40}$	121	135	141	188	103	*	*	*	*
	FAN	$P_{tF.40}$	69	65	100	108	125	170	169	48	*
	CC	$P_{tC.20}$	74	67	156	164	374	568	732	724	578
18	---	$Pt_{0.40}$	126	149	166	180	148	93	102	*	*
	FAN	$P_{tF.40}$	63	72	93	101	108	157	190	283	238
	CC	$P_{tC.20}$	68	73	145	153	333	514	675	839	793
20	---	$Pt_{0.40}$	122	134	158	203	143	91	105	8	*
	FAN	$P_{tF.40}$	61	58	87	94	102	146	179	275	239
	CC	$P_{tC.20}$	65	59	136	143	316	479	640	808	759
22,4	---	$Pt_{0.40}$	121	148	169	192	*	*	*	197	*
	FAN	$P_{tF.40}$	55	63	80	88	*	*	*	201	*
	CC	$P_{tC.20}$	59	65	125	134	210	264	232	661	*

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1800 rpm



Parallel Unit Thermal Ratings
M1/M3 Mounting - 1800 rpm @ 40°C

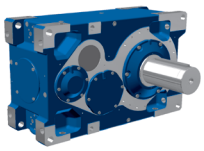
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.40}$	117	128	161	202	*	*	*	196	*
	FAN	$P_{tF.40}$	53	51	75	81	*	*	*	194	*
	CC	$P_{tC.20}$	57	52	118	124	218	278	265	637	*
28	---	$Pt_{0.40}$	59	140	86	191	*	*	*	*	*
	FAN	$P_{tF.40}$	45	55	70	76	*	*	*	*	*
	CC	$P_{tC.20}$	48	57	109	116	209	264	257	276	*
31,5	---	$Pt_{0.40}$	57	69	82	116	7	*	*	*	*
	FAN	$P_{tF.40}$	44	42	66	70	104	113	54	*	*
	CC	$P_{tC.20}$	47	43	104	106	287	389	449	303	137
35,5	---	$Pt_{0.40}$	57	74	84	110	8	*	*	*	*
	FAN	$P_{tF.40}$	41	45	62	66	98	107	54	*	*
	CC	$P_{tC.20}$	44	46	97	101	273	368	433	297	135
40	---	$Pt_{0.40}$	55	66	80	110	20	*	*	*	*
	FAN	$P_{tF.40}$	40	38	59	62	89	114	73	135	*
	CC	$P_{tC.20}$	42	39	92	94	252	361	420	487	173
45	---	$Pt_{0.40}$	56	70	80	105	20	*	*	*	*
	FAN	$P_{tF.40}$	39	41	57	59	85	109	72	134	*
	CC	$P_{tC.20}$	42	42	89	90	240	341	404	475	168
50	---	$Pt_{0.40}$	54	64	77	104	84	89	85	*	*
	FAN	$P_{tF.40}$	38	36	54	57	67	87	108	143	176
	CC	$P_{tC.20}$	40	37	85	86	207	296	396	453	494
56	---	$Pt_{0.40}$	70	69	110	99	81	84	83	*	*
	FAN	$P_{tF.40}$	35	39	52	54	64	82	104	140	169
	CC	$P_{tC.20}$	38	40	82	82	198	280	380	442	474
63	---	$Pt_{0.40}$	68	76	105	132	79	85	85	135	7
	FAN	$P_{tF.40}$	34	33	49	53	60	78	96	115	169
	CC	$P_{tC.20}$	36	34	78	80	186	266	354	377	457
71	---	$Pt_{0.40}$	64	81	100	125	76	81	82	133	8
	FAN	$P_{tF.40}$	32	35	46	50	58	74	93	112	161
	CC	$P_{tC.20}$	34	36	73	76	178	253	341	367	437
80	---	$Pt_{0.40}$	63	70	95	119	97	114	138	130	175
	FAN	$P_{tF.40}$	31	30	44	47	50	63	77	102	111
	CC	$P_{tC.20}$	33	31	70	72	159	222	294	337	340
90	---	$Pt_{0.40}$	62	75	93	114	93	108	133	127	168
	FAN	$P_{tF.40}$	31	32	43	45	48	60	74	100	107
	CC	$P_{tC.20}$	33	33	67	68	152	212	284	329	326
100	---	$Pt_{0.40}$	60	67	89	111	90	106	128	175	166
	FAN	$P_{tF.40}$	30	29	41	43	46	58	70	83	102
	CC	$P_{tC.20}$	32	30	64	66	144	203	267	282	313

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1800 rpm

Parallel Unit Thermal Ratings
M1/M3 Mounting - 1800 rpm @ 40°C

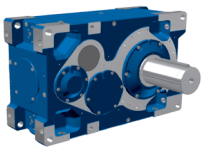


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.40}$	59	72	92	105	86	101	124	171	160
	FAN	$P_{tF.40}$	27	31	38	41	44	55	67	81	98
	CC	$P_{tC.20}$	28	32	61	63	138	193	258	276	300
125	---	$Pt_{0.40}$	58	63	89	108	---	---	---	161	---
	FAN	$P_{tF.40}$	26	25	37	39	---	---	---	76	---
	CC	$P_{tC.20}$	27	26	59	59	---	---	---	256	---
140	---	$Pt_{0.40}$	57	68	85	105	---	---	---	158	---
	FAN	$P_{tF.40}$	26	27	35	38	---	---	---	74	---
	CC	$P_{tC.20}$	27	27	56	57	---	---	---	250	---
160	---	$Pt_{0.40}$	55	61	84	100	---	---	---	---	---
	FAN	$P_{tF.40}$	25	24	33	36	---	---	---	---	---
	CC	$P_{tC.20}$	26	25	53	55	---	---	---	---	---
180	---	$Pt_{0.40}$	46	65	80	98	---	---	---	---	---
	FAN	$P_{tF.40}$	20	26	32	34	---	---	---	---	---
	CC	$P_{tC.20}$	21	26	50	52	---	---	---	---	---
200	---	$Pt_{0.40}$	45	49	69	94	---	---	---	---	---
	FAN	$P_{tF.40}$	19	19	26	32	---	---	---	---	---
	CC	$P_{tC.20}$	20	19	41	49	---	---	---	---	---
224	---	$Pt_{0.40}$	43	52	66	80	---	---	---	---	---
	FAN	$P_{tF.40}$	18	20	25	26	---	---	---	---	---
	CC	$P_{tC.20}$	19	20	39	40	---	---	---	---	---
250	---	$Pt_{0.40}$	42	46	64	77	---	---	---	---	---
	FAN	$P_{tF.40}$	18	17	24	25	---	---	---	---	---
	CC	$P_{tC.20}$	19	18	37	38	---	---	---	---	---
280	---	$Pt_{0.40}$	42	49	61	73	---	---	---	---	---
	FAN	$P_{tF.40}$	18	18	23	24	---	---	---	---	---
	CC	$P_{tC.20}$	19	19	36	37	---	---	---	---	---
315	---	$Pt_{0.40}$	40	44	60	71	---	---	---	---	---
	FAN	$P_{tF.40}$	17	17	22	23	---	---	---	---	---
	CC	$P_{tC.20}$	18	17	35	35	---	---	---	---	---
355	---	$Pt_{0.40}$	---	47	58	69	---	---	---	---	---
	FAN	$P_{tF.40}$	---	18	21	23	---	---	---	---	---
	CC	$P_{tC.20}$	---	18	34	34	---	---	---	---	---
400	---	$Pt_{0.40}$	---	---	---	67	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	22	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	33	---	---	---	---	---
450	---	$Pt_{0.40}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1800 rpm



Parallel Unit Thermal Ratings
M5 Mounting - 1000 rpm @ 20°C

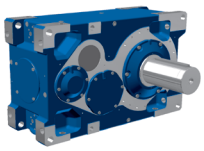
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	154	*	*	---	*
6,3	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	182	11	*	---	*
7,1	---	$Pt_{0.20}$	117	---	62	---	*	*	*	*	*
	FAN	$P_{tF.20}$	109	---	178	---	65	*	*	*	*
	CC	$P_{tC.20}$	85	---	199	---	347	385	275	*	*
8	---	$Pt_{0.20}$	118	131	72	110	*	*	*	*	*
	FAN	$P_{tF.20}$	104	102	163	184	90	*	*	*	*
	CC	$P_{tC.20}$	81	74	182	191	345	384	311	*	*
9	---	$Pt_{0.20}$	143	148	145	117	*	*	*	*	*
	FAN	$P_{tF.20}$	97	112	148	169	224	181	35	*	*
	CC	$P_{tC.20}$	75	81	166	175	447	550	593	298	*
10	---	$Pt_{0.20}$	140	151	142	188	14	*	*	*	*
	FAN	$P_{tF.20}$	92	91	137	156	209	187	76	*	*
	CC	$P_{tC.20}$	72	65	154	163	418	525	586	337	*
11,2	---	$Pt_{0.20}$	153	169	184	183	131	89	*	*	*
	FAN	$P_{tF.20}$	86	100	130	145	167	233	286	172	*
	CC	$P_{tC.20}$	67	72	146	151	354	536	726	654	369
12,5	---	$Pt_{0.20}$	149	158	176	224	131	95	*	*	*
	FAN	$P_{tF.20}$	83	82	121	138	156	214	288	196	*
	CC	$P_{tC.20}$	65	59	136	144	333	496	702	651	386
14	---	$Pt_{0.20}$	153	176	203	214	180	186	157	32	*
	FAN	$P_{tF.20}$	78	90	116	128	141	191	250	369	268
	CC	$P_{tC.20}$	60	64	130	134	305	454	619	764	667
16	---	$Pt_{0.20}$	148	157	192	240	174	179	160	56	*
	FAN	$P_{tF.20}$	74	73	108	123	133	176	235	346	276
	CC	$P_{tC.20}$	58	53	121	128	288	422	585	723	648
18	---	$Pt_{0.20}$	147	173	204	227	201	232	255	241	168
	FAN	$P_{tF.20}$	69	81	102	115	119	158	200	277	327
	CC	$P_{tC.20}$	54	58	115	120	260	383	509	613	647
20	---	$Pt_{0.20}$	142	150	193	237	192	219	248	242	173
	FAN	$P_{tF.20}$	66	66	95	109	113	148	190	266	305
	CC	$P_{tC.20}$	51	47	107	113	246	358	484	588	606
22,4	---	$Pt_{0.20}$	136	164	195	224	124	122	96	334	*
	FAN	$P_{tF.20}$	60	72	88	102	105	137	183	227	102
	CC	$P_{tC.20}$	47	51	100	106	227	328	452	511	401

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1000 rpm

Parallel Unit Thermal Ratings
M5 Mounting - 1000 rpm @ 20°C



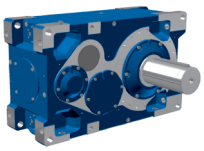
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.20}$	132	138	184	224	133	143	136	327	*
	FAN	$P_{tF.20}$	58	58	83	95	97	127	163	219	202
	CC	$P_{tC.20}$	45	41	94	99	210	305	410	492	464
28	---	$Pt_{0.20}$	96	151	149	211	128	136	132	163	*
	FAN	$P_{tF.20}$	48	63	73	89	92	120	156	198	198
	CC	$P_{tC.20}$	37	45	82	93	201	288	393	435	447
31,5	---	$Pt_{0.20}$	93	101	142	173	169	202	233	193	203
	FAN	$P_{tF.20}$	46	47	69	78	88	113	139	176	214
	CC	$P_{tC.20}$	36	34	78	81	193	275	360	391	428
35,5	---	$Pt_{0.20}$	90	108	138	164	161	191	224	190	197
	FAN	$P_{tF.20}$	44	50	65	73	84	106	134	171	204
	CC	$P_{tC.20}$	34	36	73	76	184	260	346	379	408
40	---	$Pt_{0.20}$	87	94	131	160	157	191	223	282	220
	FAN	$P_{tF.20}$	42	43	62	69	78	100	124	153	190
	CC	$P_{tC.20}$	33	31	69	72	172	246	320	346	383
45	---	$Pt_{0.20}$	87	101	130	152	151	180	215	276	212
	FAN	$P_{tF.20}$	42	46	59	66	75	95	119	149	181
	CC	$P_{tC.20}$	33	33	67	68	164	232	308	336	366
50	---	$Pt_{0.20}$	84	91	124	150	162	199	247	267	331
	FAN	$P_{tF.20}$	41	41	57	63	70	89	110	136	162
	CC	$P_{tC.20}$	32	29	64	66	155	219	288	307	333
56	---	$Pt_{0.20}$	88	98	138	142	155	188	238	261	317
	FAN	$P_{tF.20}$	39	44	57	60	67	84	106	132	155
	CC	$P_{tC.20}$	30	31	64	63	148	207	277	299	318
63	---	$Pt_{0.20}$	85	91	131	157	148	183	228	287	313
	FAN	$P_{tF.20}$	37	38	54	61	63	80	99	122	147
	CC	$P_{tC.20}$	29	27	61	63	139	197	258	277	303
71	---	$Pt_{0.20}$	81	98	124	149	142	173	219	280	299
	FAN	$P_{tF.20}$	35	41	51	58	60	76	95	118	141
	CC	$P_{tC.20}$	28	29	57	60	133	187	249	270	290
80	---	$Pt_{0.20}$	78	84	118	141	139	171	218	263	312
	FAN	$P_{tF.20}$	34	34	48	54	55	69	86	109	124
	CC	$P_{tC.20}$	27	25	54	56	122	171	225	248	256
90	---	$Pt_{0.20}$	78	90	115	134	133	163	210	257	299
	FAN	$P_{tF.20}$	34	37	46	51	53	66	83	106	119
	CC	$P_{tC.20}$	26	27	52	53	117	163	217	241	246
100	---	$Pt_{0.20}$	76	80	110	131	127	157	200	249	291
	FAN	$P_{tF.20}$	33	33	44	50	50	63	78	95	114
	CC	$P_{tC.20}$	26	24	50	52	110	155	204	216	236

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1000 rpm



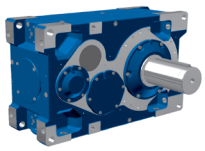
Parallel Unit Thermal Ratings
M5 Mounting - 1000 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.20}$	70	87	107	124	122	150	193	243	279
	FAN	$P_{tF.20}$	30	36	42	47	48	60	75	92	110
	CC	$P_{tC.20}$	23	26	48	49	106	148	197	211	227
125	---	$Pt_{0.20}$	67	72	104	121	---	---	---	228	---
	FAN	$P_{tF.20}$	29	29	41	45	---	---	---	86	---
	CC	$P_{tC.20}$	22	21	46	47	---	---	---	196	---
140	---	$Pt_{0.20}$	67	77	99	118	---	---	---	222	---
	FAN	$P_{tF.20}$	29	31	39	44	---	---	---	84	---
	CC	$P_{tC.20}$	22	22	44	46	---	---	---	191	---
160	---	$Pt_{0.20}$	65	69	96	112	---	---	---	---	---
	FAN	$P_{tF.20}$	28	28	37	42	---	---	---	---	---
	CC	$P_{tC.20}$	21	20	42	43	---	---	---	---	---
180	---	$Pt_{0.20}$	52	74	91	108	---	---	---	---	---
	FAN	$P_{tF.20}$	22	30	35	40	---	---	---	---	---
	CC	$P_{tC.20}$	17	21	40	41	---	---	---	---	---
200	---	$Pt_{0.20}$	51	55	76	103	---	---	---	---	---
	FAN	$P_{tF.20}$	21	22	29	38	---	---	---	---	---
	CC	$P_{tC.20}$	17	16	32	39	---	---	---	---	---
224	---	$Pt_{0.20}$	49	58	73	85	---	---	---	---	---
	FAN	$P_{tF.20}$	21	23	28	31	---	---	---	---	---
	CC	$P_{tC.20}$	16	17	31	32	---	---	---	---	---
250	---	$Pt_{0.20}$	47	51	70	82	---	---	---	---	---
	FAN	$P_{tF.20}$	20	20	26	29	---	---	---	---	---
	CC	$P_{tC.20}$	15	15	30	31	---	---	---	---	---
280	---	$Pt_{0.20}$	47	54	67	78	---	---	---	---	---
	FAN	$P_{tF.20}$	20	21	25	28	---	---	---	---	---
	CC	$P_{tC.20}$	15	15	29	29	---	---	---	---	---
315	---	$Pt_{0.20}$	46	49	66	75	---	---	---	---	---
	FAN	$P_{tF.20}$	19	19	25	27	---	---	---	---	---
	CC	$P_{tC.20}$	15	14	28	28	---	---	---	---	---
355	---	$Pt_{0.20}$	---	52	63	74	---	---	---	---	---
	FAN	$P_{tF.20}$	---	21	24	26	---	---	---	---	---
	CC	$P_{tC.20}$	---	15	27	28	---	---	---	---	---
400	---	$Pt_{0.20}$	---	---	---	71	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	25	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	26	---	---	---	---	---
450	---	$Pt_{0.20}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1000 rpm

Parallel Unit Thermal Ratings
M5 Mounting - 1000 rpm @ 40°C



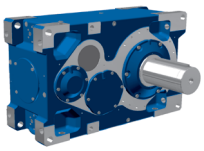
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
6,3	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	49	*	*	---	*
7,1	---	$Pt_{0.40}$	57	---	*	---	*	*	*	*	*
	FAN	$P_{tF.40}$	94	---	117	---	*	*	*	*	*
	CC	$P_{tC.20}$	94	---	180	---	245	245	48	*	*
8	---	$Pt_{0.40}$	61	74	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	89	87	122	161	*	*	*	*	*
	CC	$P_{tC.20}$	89	80	180	211	251	258	117	*	*
9	---	$Pt_{0.40}$	92	85	58	*	*	*	*	*	*
	FAN	$P_{tF.40}$	81	95	130	164	65	*	*	*	*
	CC	$P_{tC.20}$	81	88	183	209	361	437	443	28	*
10	---	$Pt_{0.40}$	92	102	63	95	*	*	*	*	*
	FAN	$P_{tF.40}$	77	75	120	135	78	*	*	*	*
	CC	$P_{tC.20}$	77	70	169	177	351	421	446	96	*
11,2	---	$Pt_{0.40}$	108	115	113	97	14	*	*	*	*
	FAN	$P_{tF.40}$	71	83	109	124	162	153	25	*	*
	CC	$P_{tC.20}$	71	77	156	164	399	530	597	476	102
12,5	---	$Pt_{0.40}$	106	114	110	145	24	*	*	*	*
	FAN	$P_{tF.40}$	68	67	102	116	149	154	51	*	*
	CC	$P_{tC.20}$	68	62	145	153	371	503	581	482	147
14	---	$Pt_{0.40}$	113	127	140	140	94	62	*	*	*
	FAN	$P_{tF.40}$	64	74	96	107	123	174	218	135	*
	CC	$P_{tC.20}$	64	68	137	142	327	495	666	645	476
16	---	$Pt_{0.40}$	110	118	134	170	93	66	*	*	*
	FAN	$P_{tF.40}$	61	60	89	102	115	160	217	150	*
	CC	$P_{tC.20}$	61	55	128	136	308	457	641	634	470
18	---	$Pt_{0.40}$	112	130	149	162	130	136	126	45	*
	FAN	$P_{tF.40}$	56	66	84	95	101	137	176	263	243
	CC	$P_{tC.20}$	56	61	120	126	275	407	545	679	659
20	---	$Pt_{0.40}$	108	115	142	177	126	130	127	58	*
	FAN	$P_{tF.40}$	54	53	78	89	96	127	166	248	242
	CC	$P_{tC.20}$	54	49	113	119	261	380	518	648	632
22,4	---	$Pt_{0.40}$	106	126	147	167	60	31	*	192	*
	FAN	$P_{tF.40}$	49	59	72	84	92	128	141	195	*
	CC	$P_{tC.20}$	49	54	104	111	244	359	468	543	262

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1000 rpm



Parallel Unit Thermal Ratings
M5 Mounting - 1000 rpm @ 40°C

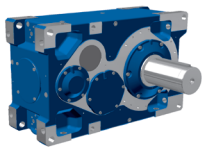
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.40}$	102	108	140	171	75	63	17	191	*
	FAN	$P_{tF.40}$	47	47	68	77	83	113	158	188	*
	CC	$P_{tC.20}$	47	43	98	103	224	329	455	522	339
28	---	$Pt_{0.40}$	72	118	110	162	73	61	20	18	*
	FAN	$P_{tF.40}$	39	51	60	73	79	106	150	193	*
	CC	$P_{tC.20}$	39	47	86	97	214	310	435	489	328
31,5	---	$Pt_{0.40}$	70	76	105	129	118	135	147	76	48
	FAN	$P_{tF.40}$	38	38	57	64	73	95	119	159	203
	CC	$P_{tC.20}$	38	35	82	85	202	289	379	425	478
35,5	---	$Pt_{0.40}$	68	82	104	123	113	128	142	76	51
	FAN	$P_{tF.40}$	35	41	53	60	70	89	114	154	192
	CC	$P_{tC.20}$	35	38	76	80	193	273	364	412	455
40	---	$Pt_{0.40}$	66	72	99	121	112	132	147	189	91
	FAN	$P_{tF.40}$	34	35	50	57	65	84	105	130	171
	CC	$P_{tC.20}$	34	32	73	75	180	258	336	365	418
45	---	$Pt_{0.40}$	66	77	98	115	108	125	142	185	89
	FAN	$P_{tF.40}$	34	37	49	54	62	80	100	126	163
	CC	$P_{tC.20}$	34	34	70	72	172	244	323	354	399
50	---	$Pt_{0.40}$	64	70	94	114	122	148	181	184	230
	FAN	$P_{tF.40}$	33	33	46	52	58	74	92	115	136
	CC	$P_{tC.20}$	33	30	67	69	161	228	300	323	350
56	---	$Pt_{0.40}$	69	75	108	109	117	140	174	180	220
	FAN	$P_{tF.40}$	31	36	46	49	55	70	88	111	130
	CC	$P_{tC.20}$	31	33	67	66	154	216	289	314	334
63	---	$Pt_{0.40}$	67	71	102	123	112	137	168	214	221
	FAN	$P_{tF.40}$	30	30	44	49	52	66	82	101	123
	CC	$P_{tC.20}$	30	28	63	66	145	205	269	289	318
71	---	$Pt_{0.40}$	63	77	98	117	108	130	162	209	212
	FAN	$P_{tF.40}$	29	33	41	47	50	63	79	99	118
	CC	$P_{tC.20}$	29	30	59	62	139	195	259	282	304
80	---	$Pt_{0.40}$	61	66	93	111	107	132	167	198	235
	FAN	$P_{tF.40}$	28	28	39	44	45	57	71	91	103
	CC	$P_{tC.20}$	28	26	57	59	127	-132	234	259	267
90	---	$Pt_{0.40}$	61	70	91	106	103	125	161	193	226
	FAN	$P_{tF.40}$	27	30	38	42	44	54	68	88	99
	CC	$P_{tC.20}$	27	28	55	56	122	169	226	252	256
100	---	$Pt_{0.40}$	59	63	86	103	99	122	153	192	221
	FAN	$P_{tF.40}$	26	27	36	41	41	52	64	78	94
	CC	$P_{tC.20}$	26	25	52	54	115	161	212	225	246

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1000 rpm

Parallel Unit Thermal Ratings
M5 Mounting - 1000 rpm @ 40°C

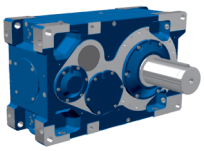


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.40}$	55	68	85	98	95	116	148	188	212
	FAN	$P_{tF.40}$	24	29	34	39	39	49	62	77	91
	CC	$P_{tC.20}$	24	26	50	51	110	154	205	220	236
125	---	$Pt_{0.40}$	53	57	83	96	---	---	---	176	---
	FAN	$P_{tF.40}$	23	23	33	37	---	---	---	71	---
	CC	$P_{tC.20}$	23	21	48	49	---	---	---	204	---
140	---	$Pt_{0.40}$	53	61	79	94	---	---	---	172	---
	FAN	$P_{tF.40}$	23	25	32	36	---	---	---	69	---
	CC	$P_{tC.20}$	23	23	46	47	---	---	---	199	---
160	---	$Pt_{0.40}$	51	55	76	89	---	---	---	---	---
	FAN	$P_{tF.40}$	22	22	30	34	---	---	---	---	---
	CC	$P_{tC.20}$	22	21	43	45	---	---	---	---	---
180	---	$Pt_{0.40}$	41	59	73	86	---	---	---	---	---
	FAN	$P_{tF.40}$	18	24	29	32	---	---	---	---	---
	CC	$P_{tC.20}$	18	22	41	43	---	---	---	---	---
200	---	$Pt_{0.40}$	40	43	60	82	---	---	---	---	---
	FAN	$P_{tF.40}$	17	17	23	31	---	---	---	---	---
	CC	$P_{tC.20}$	17	16	34	41	---	---	---	---	---
224	---	$Pt_{0.40}$	39	46	58	68	---	---	---	---	---
	FAN	$P_{tF.40}$	16	19	22	25	---	---	---	---	---
	CC	$P_{tC.20}$	16	17	32	33	---	---	---	---	---
250	---	$Pt_{0.40}$	38	40	56	65	---	---	---	---	---
	FAN	$P_{tF.40}$	16	16	21	24	---	---	---	---	---
	CC	$P_{tC.20}$	16	15	31	32	---	---	---	---	---
280	---	$Pt_{0.40}$	38	43	54	63	---	---	---	---	---
	FAN	$P_{tF.40}$	16	17	21	23	---	---	---	---	---
	CC	$P_{tC.20}$	16	16	30	31	---	---	---	---	---
315	---	$Pt_{0.40}$	36	39	53	60	---	---	---	---	---
	FAN	$P_{tF.40}$	15	16	20	22	---	---	---	---	---
	CC	$P_{tC.20}$	15	14	29	29	---	---	---	---	---
355	---	$Pt_{0.40}$	---	41	50	59	---	---	---	---	---
	FAN	$P_{tF.40}$	---	17	19	22	---	---	---	---	---
	CC	$P_{tC.20}$	---	15	28	29	---	---	---	---	---
400	---	$Pt_{0.40}$	---	---	---	57	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	21	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	28	---	---	---	---	---
450	---	$Pt_{0.40}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1000 rpm



Parallel Unit Thermal Ratings
M5 Mounting - 1200 rpm @ 20°C

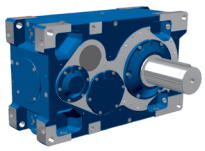
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
6,3	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
7,1	---	$Pt_{0.20}$	52	---	*	---	*	*	*	*	*
	FAN	$P_{tF.20}$	128	---	105	---	*	*	*	*	*
	CC	$P_{tC.20}$	101	---	131	---	65	*	*	*	*
8	---	$Pt_{0.20}$	60	77	*	*	*	*	*	*	*
	FAN	$P_{tF.20}$	121	116	118	162	*	*	*	*	*
	CC	$P_{tC.20}$	95	85	141	171	104	*	*	*	*
9	---	$Pt_{0.20}$	107	92	37	*	*	*	*	*	*
	FAN	$P_{tF.20}$	107	127	181	172	*	*	*	*	*
	CC	$P_{tC.20}$	84	92	202	180	299	309	188	*	*
10	---	$Pt_{0.20}$	108	122	49	89	*	*	*	*	*
	FAN	$P_{tF.20}$	102	100	164	183	28	*	*	*	*
	CC	$P_{tC.20}$	80	72	184	190	300	313	226	*	*
11,2	---	$Pt_{0.20}$	133	138	127	97	*	*	*	*	*
	FAN	$P_{tF.20}$	94	110	146	167	192	135	*	*	*
	CC	$P_{tC.20}$	74	79	163	174	408	497	494	215	*
12,5	---	$Pt_{0.20}$	131	143	125	170	*	*	*	*	*
	FAN	$P_{tF.20}$	90	89	135	153	191	144	*	*	*
	CC	$P_{tC.20}$	70	64	152	160	394	477	492	252	*
14	---	$Pt_{0.20}$	143	159	171	166	95	24	*	*	*
	FAN	$P_{tF.20}$	84	97	126	142	165	247	220	35	*
	CC	$P_{tC.20}$	65	70	142	148	348	544	649	549	239
16	---	$Pt_{0.20}$	139	149	163	210	97	37	*	*	*
	FAN	$P_{tF.20}$	80	79	118	134	155	224	225	71	*
	CC	$P_{tC.20}$	62	57	133	140	327	500	629	550	263
18	---	$Pt_{0.20}$	143	165	188	200	154	152	123	*	*
	FAN	$P_{tF.20}$	74	87	110	125	134	181	237	337	219
	CC	$P_{tC.20}$	57	62	124	130	287	429	581	720	600
20	---	$Pt_{0.20}$	139	147	178	223	150	147	126	*	*
	FAN	$P_{tF.20}$	71	70	103	117	126	169	223	339	227
	CC	$P_{tC.20}$	55	50	116	122	272	400	551	705	583
22,4	---	$Pt_{0.20}$	136	162	188	211	55	*	*	210	*
	FAN	$P_{tF.20}$	64	77	95	110	125	178	133	260	*
	CC	$P_{tC.20}$	50	55	107	114	261	393	448	573	17

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1200 rpm

Parallel Unit Thermal Ratings
M5 Mounting - 1200 rpm @ 20°C



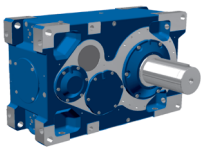
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.20}$	132	140	178	220	80	51	*	211	*
	FAN	$P_{tF.20}$	62	62	89	101	111	155	189	250	*
	CC	$P_{tC.20}$	48	44	101	106	237	354	470	551	195
28	---	$Pt_{0.20}$	91	153	138	208	78	51	*	*	*
	FAN	$P_{tF.20}$	51	67	79	95	106	145	185	226	*
	CC	$P_{tC.20}$	40	48	89	99	226	333	454	499	194
31,5	---	$Pt_{0.20}$	89	98	132	164	145	163	170	47	*
	FAN	$P_{tF.20}$	50	50	75	84	96	125	157	222	276
	CC	$P_{tC.20}$	39	36	84	87	210	302	398	464	522
35,5	---	$Pt_{0.20}$	86	105	131	156	139	155	165	50	*
	FAN	$P_{tF.20}$	47	54	70	79	92	118	150	214	267
	CC	$P_{tC.20}$	36	38	79	82	200	285	382	450	502
40	---	$Pt_{0.20}$	84	92	125	154	140	161	176	226	65
	FAN	$P_{tF.20}$	45	46	66	74	85	111	138	171	236
	CC	$P_{tC.20}$	35	33	75	77	187	268	352	381	454
45	---	$Pt_{0.20}$	85	99	125	147	134	153	170	221	66
	FAN	$P_{tF.20}$	45	49	64	71	82	105	132	166	224
	CC	$P_{tC.20}$	35	35	72	73	178	254	338	370	433
50	---	$Pt_{0.20}$	82	90	119	146	155	187	228	224	281
	FAN	$P_{tF.20}$	43	44	61	68	76	96	120	150	178
	CC	$P_{tC.20}$	34	31	68	71	166	236	311	336	363
56	---	$Pt_{0.20}$	89	96	140	139	149	177	220	219	270
	FAN	$P_{tF.20}$	41	47	61	65	72	91	115	146	170
	CC	$P_{tC.20}$	32	34	68	67	159	223	299	327	347
63	---	$Pt_{0.20}$	87	93	133	160	144	174	213	271	273
	FAN	$P_{tF.20}$	40	40	57	65	68	86	107	132	161
	CC	$P_{tC.20}$	31	29	65	67	149	212	278	299	329
71	---	$Pt_{0.20}$	82	100	126	152	138	165	205	265	262
	FAN	$P_{tF.20}$	38	43	54	61	65	82	103	128	154
	CC	$P_{tC.20}$	29	31	61	64	143	201	268	291	315
80	---	$Pt_{0.20}$	80	85	120	144	139	170	214	251	301
	FAN	$P_{tF.20}$	36	37	51	58	59	74	92	118	133
	CC	$P_{tC.20}$	28	26	58	60	130	182	241	267	275
90	---	$Pt_{0.20}$	80	92	117	137	133	162	207	245	289
	FAN	$P_{tF.20}$	36	39	50	55	57	70	89	115	128
	CC	$P_{tC.20}$	28	28	56	57	125	174	232	260	264
100	---	$Pt_{0.20}$	77	82	112	134	127	157	197	248	282
	FAN	$P_{tF.20}$	35	35	47	53	53	67	83	102	123
	CC	$P_{tC.20}$	27	25	53	55	118	166	218	231	253

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1200 rpm



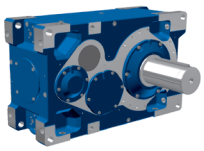
Parallel Unit Thermal Ratings
M5 Mounting - 1200 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.20}$	72	88	110	127	122	149	191	242	271
	FAN	$P_{tF.20}$	31	38	45	50	51	64	81	99	118
	CC	$P_{tC.20}$	24	27	51	52	113	158	211	226	243
125	---	$Pt_{0.20}$	70	74	108	125	---	---	---	227	---
	FAN	$P_{tF.20}$	30	31	43	48	---	---	---	92	---
	CC	$P_{tC.20}$	23	22	49	50	---	---	---	209	---
140	---	$Pt_{0.20}$	69	79	102	122	---	---	---	222	---
	FAN	$P_{tF.20}$	30	33	41	46	---	---	---	90	---
	CC	$P_{tC.20}$	23	23	47	48	---	---	---	205	---
160	---	$Pt_{0.20}$	67	71	99	116	---	---	---	---	---
	FAN	$P_{tF.20}$	29	29	39	44	---	---	---	---	---
	CC	$P_{tC.20}$	23	21	44	46	---	---	---	---	---
180	---	$Pt_{0.20}$	54	77	95	112	---	---	---	---	---
	FAN	$P_{tF.20}$	23	32	38	42	---	---	---	---	---
	CC	$P_{tC.20}$	18	23	42	44	---	---	---	---	---
200	---	$Pt_{0.20}$	53	57	79	107	---	---	---	---	---
	FAN	$P_{tF.20}$	23	23	30	40	---	---	---	---	---
	CC	$P_{tC.20}$	18	16	34	42	---	---	---	---	---
224	---	$Pt_{0.20}$	51	60	76	89	---	---	---	---	---
	FAN	$P_{tF.20}$	22	24	29	32	---	---	---	---	---
	CC	$P_{tC.20}$	17	17	33	34	---	---	---	---	---
250	---	$Pt_{0.20}$	49	53	73	85	---	---	---	---	---
	FAN	$P_{tF.20}$	21	21	28	31	---	---	---	---	---
	CC	$P_{tC.20}$	16	15	32	32	---	---	---	---	---
280	---	$Pt_{0.20}$	49	56	70	82	---	---	---	---	---
	FAN	$P_{tF.20}$	21	23	27	30	---	---	---	---	---
	CC	$P_{tC.20}$	16	16	30	31	---	---	---	---	---
315	---	$Pt_{0.20}$	48	51	68	79	---	---	---	---	---
	FAN	$P_{tF.20}$	20	20	26	29	---	---	---	---	---
	CC	$P_{tC.20}$	16	15	30	30	---	---	---	---	---
355	---	$Pt_{0.20}$	---	54	66	77	---	---	---	---	---
	FAN	$P_{tF.20}$	---	22	25	28	---	---	---	---	---
	CC	$P_{tC.20}$	---	16	29	29	---	---	---	---	---
400	---	$Pt_{0.20}$	---	---	---	74	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	27	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	28	---	---	---	---	---
450	---	$Pt_{0.20}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1200 rpm

Parallel Unit Thermal Ratings
M5 Mounting - 1200 rpm @ 40°C



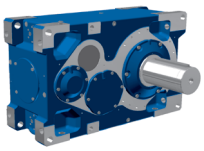
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
6,3	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
7,1	---	$Pt_{0.40}$	*	---	*	---	*	*	*	*	*
	FAN	$P_{tF.40}$	94	---	*	---	*	*	*	*	*
	CC	$P_{tC.20}$	94	---	19	---	*	*	*	*	*
8	---	$Pt_{0.40}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	99	112	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	99	105	43	53	*	*	*	*	*
9	---	$Pt_{0.40}$	47	8	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	94	121	95	7	*	*	*	*	*
	CC	$P_{tC.20}$	94	113	159	77	196	165	*	*	*
10	---	$Pt_{0.40}$	52	66	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	89	85	101	140	*	*	*	*	*
	CC	$P_{tC.20}$	89	79	159	190	204	183	5	*	*
11,2	---	$Pt_{0.40}$	84	76	38	*	*	*	*	*	*
	FAN	$P_{tF.40}$	79	94	132	143	30	*	*	*	*
	CC	$P_{tC.20}$	79	86	184	189	325	388	341	*	*
12,5	---	$Pt_{0.40}$	84	94	45	77	*	*	*	*	*
	FAN	$P_{tF.40}$	75	74	120	134	44	*	*	*	*
	CC	$P_{tC.20}$	75	68	169	175	316	376	349	*	*
14	---	$Pt_{0.40}$	100	106	100	80	*	*	*	*	*
	FAN	$P_{tF.40}$	69	81	107	123	140	100	*	*	*
	CC	$P_{tC.20}$	69	75	153	162	372	475	525	370	*
16	---	$Pt_{0.40}$	98	107	98	133	*	*	*	*	*
	FAN	$P_{tF.40}$	66	65	100	113	138	103	*	*	*
	CC	$P_{tC.20}$	66	60	142	150	357	450	512	380	*
18	---	$Pt_{0.40}$	105	119	128	128	71	26	*	*	*
	FAN	$P_{tF.40}$	61	71	91	105	118	174	181	65	*
	CC	$P_{tC.20}$	61	66	131	139	311	477	602	574	419
20	---	$Pt_{0.40}$	102	110	122	157	71	32	*	*	*
	FAN	$P_{tF.40}$	58	58	86	97	112	160	181	84	*
	CC	$P_{tC.20}$	58	53	123	129	294	442	580	566	413
22,4	---	$Pt_{0.40}$	103	121	137	149	*	*	*	20	*
	FAN	$P_{tF.40}$	53	63	78	91	90	51	*	253	*
	CC	$P_{tC.20}$	53	58	112	121	264	326	357	642	*

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm



Parallel Unit Thermal Ratings
M5 Mounting - 1200 rpm @ 40°C

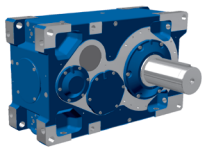
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.40}$	100	107	131	163	*	*	*	31	*
	FAN	$P_{tF.40}$	51	50	74	83	110	95	24	240	*
	CC	$P_{tC.20}$	51	46	106	111	268	343	388	614	1
28	---	$Pt_{0.40}$	65	117	96	154	2	*	*	*	*
	FAN	$P_{tF.40}$	42	55	65	78	105	91	28	23	*
	CC	$P_{tC.20}$	42	51	94	104	255	325	375	396	13
31,5	---	$Pt_{0.40}$	63	71	92	117	88	87	66	*	*
	FAN	$P_{tF.40}$	41	41	62	69	82	108	141	106	61
	CC	$P_{tC.20}$	40	38	89	92	222	322	429	419	403
35,5	---	$Pt_{0.40}$	63	76	94	111	85	84	66	*	*
	FAN	$P_{tF.40}$	38	44	58	66	78	102	134	107	64
	CC	$P_{tC.20}$	38	40	83	87	212	303	411	410	389
40	---	$Pt_{0.40}$	61	68	89	113	89	95	87	117	*
	FAN	$P_{tF.40}$	37	37	55	61	72	95	121	149	123
	CC	$P_{tC.20}$	37	34	79	81	197	285	376	408	414
45	---	$Pt_{0.40}$	62	73	91	107	86	90	85	115	*
	FAN	$P_{tF.40}$	36	40	53	58	69	90	116	145	120
	CC	$P_{tC.20}$	36	37	76	77	188	269	361	397	398
50	---	$Pt_{0.40}$	60	67	86	108	112	131	155	130	167
	FAN	$P_{tF.40}$	35	35	50	56	63	80	101	130	152
	CC	$P_{tC.20}$	35	33	72	74	174	247	326	359	386
56	---	$Pt_{0.40}$	69	72	108	103	107	124	150	128	161
	FAN	$P_{tF.40}$	33	38	49	53	60	76	97	126	145
	CC	$P_{tC.20}$	33	35	71	71	166	234	314	349	368
63	---	$Pt_{0.40}$	67	72	102	124	105	124	148	191	171
	FAN	$P_{tF.40}$	32	32	47	53	56	72	90	111	137
	CC	$P_{tC.20}$	32	30	68	70	156	222	292	314	349
71	---	$Pt_{0.40}$	64	77	98	118	100	118	142	187	165
	FAN	$P_{tF.40}$	30	35	44	50	54	69	87	108	131
	CC	$P_{tC.20}$	30	32	63	67	150	211	281	306	333
80	---	$Pt_{0.40}$	62	66	93	112	105	127	159	180	218
	FAN	$P_{tF.40}$	29	30	42	47	49	61	76	99	111
	CC	$P_{tC.20}$	29	27	60	63	136	190	251	280	288
90	---	$Pt_{0.40}$	62	71	91	107	101	121	153	176	210
	FAN	$P_{tF.40}$	29	32	40	45	47	58	74	96	107
	CC	$P_{tC.20}$	29	29	58	59	131	181	242	273	276
100	---	$Pt_{0.40}$	60	64	87	104	97	118	147	187	206
	FAN	$P_{tF.40}$	28	28	39	43	44	56	69	85	102
	CC	$P_{tC.20}$	28	26	55	57	123	173	227	242	265

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm

Parallel Unit Thermal Ratings
M5 Mounting - 1200 rpm @ 40°C

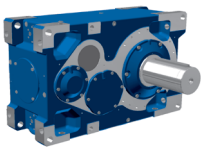


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.40}$	56	69	87	99	93	112	142	183	198
	FAN	$P_{tF.40}$	25	30	37	41	42	53	67	82	98
	CC	$P_{tC.20}$	25	28	53	55	118	165	220	236	254
125	---	$Pt_{0.40}$	54	58	85	99	---	---	---	172	---
	FAN	$P_{tF.40}$	24	25	35	39	---	---	---	76	---
	CC	$P_{tC.20}$	24	23	51	52	---	---	---	219	---
140	---	$Pt_{0.40}$	54	62	81	96	---	---	---	168	---
	FAN	$P_{tF.40}$	24	26	34	38	---	---	---	75	---
	CC	$P_{tC.20}$	24	24	49	50	---	---	---	214	---
160	---	$Pt_{0.40}$	53	56	78	92	---	---	---	---	---
	FAN	$P_{tF.40}$	23	24	32	36	---	---	---	---	---
	CC	$P_{tC.20}$	23	22	46	48	---	---	---	---	---
180	---	$Pt_{0.40}$	43	60	75	89	---	---	---	---	---
	FAN	$P_{tF.40}$	19	25	31	34	---	---	---	---	---
	CC	$P_{tC.20}$	19	23	44	46	---	---	---	---	---
200	---	$Pt_{0.40}$	41	45	63	85	---	---	---	---	---
	FAN	$P_{tF.40}$	18	18	25	33	---	---	---	---	---
	CC	$P_{tC.20}$	18	17	36	43	---	---	---	---	---
224	---	$Pt_{0.40}$	40	47	60	71	---	---	---	---	---
	FAN	$P_{tF.40}$	17	20	24	26	---	---	---	---	---
	CC	$P_{tC.20}$	17	18	34	35	---	---	---	---	---
250	---	$Pt_{0.40}$	39	42	58	68	---	---	---	---	---
	FAN	$P_{tF.40}$	17	17	23	25	---	---	---	---	---
	CC	$P_{tC.20}$	17	16	33	34	---	---	---	---	---
280	---	$Pt_{0.40}$	39	44	56	65	---	---	---	---	---
	FAN	$P_{tF.40}$	17	18	22	24	---	---	---	---	---
	CC	$P_{tC.20}$	17	17	32	32	---	---	---	---	---
315	---	$Pt_{0.40}$	38	40	55	63	---	---	---	---	---
	FAN	$P_{tF.40}$	16	16	21	23	---	---	---	---	---
	CC	$P_{tC.20}$	16	15	31	31	---	---	---	---	---
355	---	$Pt_{0.40}$	---	43	52	61	---	---	---	---	---
	FAN	$P_{tF.40}$	---	18	21	23	---	---	---	---	---
	CC	$P_{tC.20}$	---	16	30	30	---	---	---	---	---
400	---	$Pt_{0.40}$	---	---	---	59	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	22	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	29	---	---	---	---	---
450	---	$Pt_{0.40}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm



Parallel Unit Thermal Ratings
M5 Mounting - 1500 rpm @ 20°C

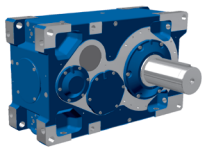
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
6,3	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
7,1	---	$Pt_{0.20}$	*	---	*	---	*	*	*	*	*
	FAN	$P_{tF.20}$	61	---	*	---	*	*	*	*	*
	CC	$P_{tC.20}$	20	---	*	---	*	*	*	*	*
8	---	$Pt_{0.20}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.20}$	75	95	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	38	51	*	*	*	*	*	*	*
9	---	$Pt_{0.20}$	11	*	*	*	*	*	*	*	*
	FAN	$P_{tF.20}$	139	115	13	*	*	*	*	*	*
	CC	$P_{tC.20}$	112	70	47	*	*	*	*	*	*
10	---	$Pt_{0.20}$	22	46	*	*	*	*	*	*	*
	FAN	$P_{tF.20}$	130	123	37	84	*	*	*	*	*
	CC	$P_{tC.20}$	104	90	68	94	*	*	*	*	*
11,2	---	$Pt_{0.20}$	84	58	*	*	*	*	*	*	*
	FAN	$P_{tF.20}$	108	132	166	102	*	*	*	*	*
	CC	$P_{tC.20}$	85	97	188	111	205	159	*	*	*
12,5	---	$Pt_{0.20}$	86	102	*	20	*	*	*	*	*
	FAN	$P_{tF.20}$	103	101	166	200	*	*	*	*	*
	CC	$P_{tC.20}$	81	73	186	208	211	177	*	*	*
14	---	$Pt_{0.20}$	115	116	90	37	*	*	*	*	*
	FAN	$P_{tF.20}$	93	110	149	181	101	*	*	*	*
	CC	$P_{tC.20}$	73	80	167	188	327	379	320	*	*
16	---	$Pt_{0.20}$	114	127	91	134	*	*	*	*	*
	FAN	$P_{tF.20}$	89	88	138	155	107	*	*	*	*
	CC	$P_{tC.20}$	70	63	155	161	319	366	329	*	*
18	---	$Pt_{0.20}$	129	142	145	133	28	*	*	*	*
	FAN	$P_{tF.20}$	81	96	124	144	176	188	109	*	*
	CC	$P_{tC.20}$	63	69	139	150	354	482	538	375	*
20	---	$Pt_{0.20}$	126	137	139	183	35	*	*	*	*
	FAN	$P_{tF.20}$	78	77	116	131	164	184	120	*	*
	CC	$P_{tC.20}$	61	55	130	136	332	457	524	384	44
22,4	---	$Pt_{0.20}$	130	151	167	175	*	*	*	*	*
	FAN	$P_{tF.20}$	70	84	105	122	50	*	*	236	*
	CC	$P_{tC.20}$	55	60	118	127	223	246	188	611	*

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1500 rpm

Parallel Unit Thermal Ratings
M5 Mounting - 1500 rpm @ 20°C



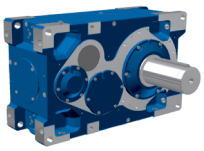
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.20}$	127	136	159	201	*	*	*	*	*
	FAN	$P_{tF.20}$	68	67	99	111	95	30	*	241	*
	CC	$P_{tC.20}$	53	48	111	116	246	291	276	600	*
28	---	$Pt_{0.20}$	78	149	110	191	*	*	*	*	*
	FAN	$P_{tF.20}$	56	73	88	105	93	33	*	*	*
	CC	$P_{tC.20}$	44	52	99	109	237	277	270	242	*
31,5	---	$Pt_{0.20}$	76	87	105	138	86	65	*	*	*
	FAN	$P_{tF.20}$	54	55	84	93	113	153	209	*	*
	CC	$P_{tC.20}$	42	39	94	97	241	354	489	322	238
35,5	---	$Pt_{0.20}$	76	93	111	132	83	64	*	*	*
	FAN	$P_{tF.20}$	51	59	78	88	108	144	204	*	*
	CC	$P_{tC.20}$	40	42	87	92	230	333	472	318	235
40	---	$Pt_{0.20}$	74	84	106	136	94	87	50	76	*
	FAN	$P_{tF.20}$	49	50	74	82	99	132	174	214	*
	CC	$P_{tC.20}$	38	36	83	86	212	310	419	455	304
45	---	$Pt_{0.20}$	76	90	109	130	91	83	51	78	*
	FAN	$P_{tF.20}$	49	53	71	78	95	124	167	207	*
	CC	$P_{tC.20}$	38	38	80	81	203	292	402	442	294
50	---	$Pt_{0.20}$	74	83	104	132	136	154	175	114	155
	FAN	$P_{tF.20}$	47	47	67	75	84	108	136	181	210
	CC	$P_{tC.20}$	37	34	76	78	184	262	348	393	419
56	---	$Pt_{0.20}$	89	89	137	126	130	146	170	113	151
	FAN	$P_{tF.20}$	44	51	66	71	80	102	131	176	200
	CC	$P_{tC.20}$	34	36	74	74	176	248	334	382	400
63	---	$Pt_{0.20}$	86	93	131	159	128	148	171	225	173
	FAN	$P_{tF.20}$	43	43	62	70	75	97	121	149	187
	CC	$P_{tC.20}$	33	31	70	73	164	235	310	333	376
71	---	$Pt_{0.20}$	82	100	125	151	123	140	166	220	167
	FAN	$P_{tF.20}$	40	46	59	66	72	92	116	145	178
	CC	$P_{tC.20}$	31	33	66	69	158	223	299	324	359
80	---	$Pt_{0.20}$	80	86	119	145	133	160	198	215	265
	FAN	$P_{tF.20}$	39	39	56	62	65	81	101	132	148
	CC	$P_{tC.20}$	30	28	63	65	142	199	263	297	303
90	---	$Pt_{0.20}$	79	92	117	138	128	152	191	210	255
	FAN	$P_{tF.20}$	39	42	54	59	62	77	98	129	142
	CC	$P_{tC.20}$	30	30	61	62	137	190	254	289	291
100	---	$Pt_{0.20}$	77	83	111	135	123	149	184	235	253
	FAN	$P_{tF.20}$	37	38	51	57	59	74	92	112	136
	CC	$P_{tC.20}$	29	27	58	60	129	181	239	253	278

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1500 rpm



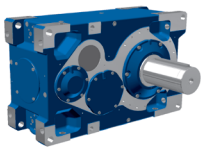
Parallel Unit Thermal Ratings
M5 Mounting - 1500 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.20}$	73	89	113	128	118	141	178	230	243
	FAN	$P_{tF.20}$	33	41	49	54	56	70	89	109	130
	CC	$P_{tC.20}$	26	29	55	57	124	173	231	247	267
125	---	$Pt_{0.20}$	71	76	110	128	---	---	---	218	---
	FAN	$P_{tF.20}$	32	33	47	52	---	---	---	101	---
	CC	$P_{tC.20}$	25	23	53	54	---	---	---	229	---
140	---	$Pt_{0.20}$	71	82	105	125	---	---	---	213	---
	FAN	$P_{tF.20}$	32	35	45	50	---	---	---	99	---
	CC	$P_{tC.20}$	25	25	50	52	---	---	---	224	---
160	---	$Pt_{0.20}$	69	74	102	119	---	---	---	---	---
	FAN	$P_{tF.20}$	31	31	42	48	---	---	---	---	---
	CC	$P_{tC.20}$	24	22	48	50	---	---	---	---	---
180	---	$Pt_{0.20}$	56	79	97	116	---	---	---	---	---
	FAN	$P_{tF.20}$	25	34	40	45	---	---	---	---	---
	CC	$P_{tC.20}$	19	24	46	47	---	---	---	---	---
200	---	$Pt_{0.20}$	54	59	82	111	---	---	---	---	---
	FAN	$P_{tF.20}$	24	24	33	43	---	---	---	---	---
	CC	$P_{tC.20}$	19	18	37	45	---	---	---	---	---
224	---	$Pt_{0.20}$	52	62	79	93	---	---	---	---	---
	FAN	$P_{tF.20}$	23	26	31	35	---	---	---	---	---
	CC	$P_{tC.20}$	18	19	35	36	---	---	---	---	---
250	---	$Pt_{0.20}$	51	55	76	89	---	---	---	---	---
	FAN	$P_{tF.20}$	22	23	30	34	---	---	---	---	---
	CC	$P_{tC.20}$	17	16	34	35	---	---	---	---	---
280	---	$Pt_{0.20}$	51	58	73	86	---	---	---	---	---
	FAN	$P_{tF.20}$	22	24	29	32	---	---	---	---	---
	CC	$P_{tC.20}$	17	17	33	33	---	---	---	---	---
315	---	$Pt_{0.20}$	49	53	71	82	---	---	---	---	---
	FAN	$P_{tF.20}$	22	22	28	31	---	---	---	---	---
	CC	$P_{tC.20}$	17	16	32	32	---	---	---	---	---
355	---	$Pt_{0.20}$	---	56	69	81	---	---	---	---	---
	FAN	$P_{tF.20}$	---	23	27	30	---	---	---	---	---
	CC	$P_{tC.20}$	---	17	31	31	---	---	---	---	---
400	---	$Pt_{0.20}$	---	---	---	77	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	29	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	30	---	---	---	---	---
450	---	$Pt_{0.20}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1500 rpm

Parallel Unit Thermal Ratings
M5 Mounting - 1500 rpm @ 40°C



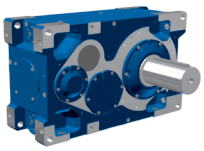
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
6,3	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
7,1	---	$Pt_{0.40}$	*	---	*	---	*	*	*	*	*
	FAN	$P_{tF.40}$	*	---	*	---	*	*	*	*	*
	CC	$P_{tC.20}$	*	---	*	---	*	*	*	*	*
8	---	$Pt_{0.40}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	*	*	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	*	*	*	*	*	*	*	*	*
9	---	$Pt_{0.40}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	60	*	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	60	*	*	*	*	*	*	*	*
10	---	$Pt_{0.40}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	68	85	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	68	76	*	*	*	*	*	*	*
11,2	---	$Pt_{0.40}$	18	*	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	100	99	30	*	*	*	*	*	*
	CC	$P_{tC.20}$	100	90	104	*	92	*	*	*	*
12,5	---	$Pt_{0.40}$	24	42	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	94	89	43	83	*	*	*	*	*
	CC	$P_{tC.20}$	94	82	109	136	107	14	*	*	*
14	---	$Pt_{0.40}$	65	51	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	79	97	135	91	*	*	*	*	*
	CC	$P_{tC.20}$	79	89	188	140	243	265	152	*	*
16	---	$Pt_{0.40}$	66	79	*	33	*	*	*	*	*
	FAN	$P_{tF.40}$	76	74	132	143	*	*	*	*	*
	CC	$P_{tC.20}$	76	68	182	185	239	261	174	*	*
18	---	$Pt_{0.40}$	86	89	74	41	*	*	*	*	*
	FAN	$P_{tF.40}$	67	81	106	130	81	*	*	*	*
	CC	$P_{tC.20}$	67	75	151	169	313	392	418	182	*
20	---	$Pt_{0.40}$	85	95	74	106	*	*	*	*	*
	FAN	$P_{tF.40}$	65	64	99	111	83	6	*	*	*
	CC	$P_{tC.20}$	65	59	141	147	302	373	410	203	*
22,4	---	$Pt_{0.40}$	94	105	110	104	*	*	*	*	*
	FAN	$P_{tF.40}$	58	70	88	104	*	*	*	*	*
	CC	$P_{tC.20}$	58	64	125	137	160	162	55	470	*

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1500 rpm



Parallel Unit Thermal Ratings
M5 Mounting - 1500 rpm @ 40°C

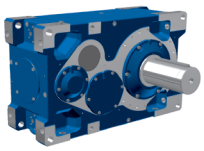
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.40}$	92	100	106	138	*	*	*	*	*
	FAN	$P_{tF.40}$	56	55	82	93	*	*	*	*	*
	CC	$P_{tC.20}$	56	51	118	123	188	216	172	465	*
28	---	$Pt_{0.40}$	49	110	60	132	*	*	*	*	*
	FAN	$P_{tF.40}$	47	60	75	87	*	*	*	*	*
	CC	$P_{tC.20}$	46	55	107	115	182	206	171	99	*
31,5	---	$Pt_{0.40}$	48	57	58	84	6	*	*	*	*
	FAN	$P_{tF.40}$	45	45	71	79	110	107	54	*	*
	CC	$P_{tC.20}$	45	42	101	104	271	356	407	206	64
35,5	---	$Pt_{0.40}$	50	62	68	81	8	*	*	*	*
	FAN	$P_{tF.40}$	42	48	66	75	104	103	56	*	*
	CC	$P_{tC.20}$	42	44	94	98	258	338	393	205	72
40	---	$Pt_{0.40}$	49	58	65	89	29	*	*	*	*
	FAN	$P_{tF.40}$	41	41	62	69	91	122	96	131	*
	CC	$P_{tC.20}$	41	37	89	91	233	341	397	439	167
45	---	$Pt_{0.40}$	51	62	70	85	29	*	*	*	*
	FAN	$P_{tF.40}$	40	44	59	65	87	117	94	131	*
	CC	$P_{tC.20}$	40	40	85	86	222	323	383	430	164
50	---	$Pt_{0.40}$	50	58	67	89	86	89	88	*	*
	FAN	$P_{tF.40}$	39	39	57	63	71	93	119	158	202
	CC	$P_{tC.20}$	39	36	81	83	194	278	371	425	471
56	---	$Pt_{0.40}$	66	62	102	85	83	85	86	*	*
	FAN	$P_{tF.40}$	36	41	54	59	68	88	114	156	195
	CC	$P_{tC.20}$	36	38	78	79	186	263	357	416	453
63	---	$Pt_{0.40}$	64	70	97	120	84	90	95	131	39
	FAN	$P_{tF.40}$	35	35	51	58	64	83	105	128	175
	CC	$P_{tC.20}$	35	32	74	77	174	249	330	355	417
71	---	$Pt_{0.40}$	62	76	94	114	80	86	92	129	40
	FAN	$P_{tF.40}$	33	37	48	55	61	79	101	125	167
	CC	$P_{tC.20}$	33	35	69	73	166	236	318	345	398
80	---	$Pt_{0.40}$	60	65	90	110	96	113	136	132	171
	FAN	$P_{tF.40}$	32	32	46	51	54	68	85	114	125
	CC	$P_{tC.20}$	32	29	66	68	149	209	276	316	320
90	---	$Pt_{0.40}$	60	70	88	105	92	107	131	130	165
	FAN	$P_{tF.40}$	31	34	44	49	52	65	82	111	120
	CC	$P_{tC.20}$	31	31	63	65	143	199	267	307	307
100	---	$Pt_{0.40}$	58	63	84	103	89	106	128	167	167
	FAN	$P_{tF.40}$	30	30	42	47	49	62	77	94	115
	CC	$P_{tC.20}$	30	28	60	62	135	190	250	266	293

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1500 rpm

Parallel Unit Thermal Ratings
M5 Mounting - 1500 rpm @ 40°C

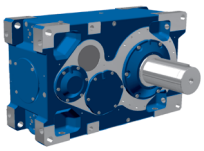


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.40}$	57	68	87	98	86	100	124	164	161
	FAN	$P_{tF.40}$	27	33	40	45	47	59	75	92	110
	CC	$P_{tC.20}$	27	30	57	59	130	181	242	260	282
125	---	$Pt_{0.40}$	55	59	85	100	---	---	---	156	---
	FAN	$P_{tF.40}$	26	26	38	42	---	---	---	85	---
	CC	$P_{tC.20}$	26	24	55	56	---	---	---	241	---
140	---	$Pt_{0.40}$	55	63	81	98	---	---	---	153	---
	FAN	$P_{tF.40}$	26	28	37	41	---	---	---	83	---
	CC	$P_{tC.20}$	26	26	53	55	---	---	---	235	---
160	---	$Pt_{0.40}$	53	57	80	93	---	---	---	---	---
	FAN	$P_{tF.40}$	25	25	35	39	---	---	---	---	---
	CC	$P_{tC.20}$	25	23	50	52	---	---	---	---	---
180	---	$Pt_{0.40}$	44	61	76	91	---	---	---	---	---
	FAN	$P_{tF.40}$	20	27	33	37	---	---	---	---	---
	CC	$P_{tC.20}$	20	25	48	49	---	---	---	---	---
200	---	$Pt_{0.40}$	42	46	65	87	---	---	---	---	---
	FAN	$P_{tF.40}$	19	20	27	35	---	---	---	---	---
	CC	$P_{tC.20}$	19	18	38	47	---	---	---	---	---
224	---	$Pt_{0.40}$	41	49	62	73	---	---	---	---	---
	FAN	$P_{tF.40}$	19	21	26	28	---	---	---	---	---
	CC	$P_{tC.20}$	19	19	37	38	---	---	---	---	---
250	---	$Pt_{0.40}$	40	43	60	71	---	---	---	---	---
	FAN	$P_{tF.40}$	18	18	25	27	---	---	---	---	---
	CC	$P_{tC.20}$	18	17	35	36	---	---	---	---	---
280	---	$Pt_{0.40}$	40	45	57	68	---	---	---	---	---
	FAN	$P_{tF.40}$	18	19	24	26	---	---	---	---	---
	CC	$P_{tC.20}$	18	18	34	35	---	---	---	---	---
315	---	$Pt_{0.40}$	39	42	56	65	---	---	---	---	---
	FAN	$P_{tF.40}$	17	18	23	25	---	---	---	---	---
	CC	$P_{tC.20}$	17	16	33	34	---	---	---	---	---
355	---	$Pt_{0.40}$	---	44	54	64	---	---	---	---	---
	FAN	$P_{tF.40}$	---	19	22	25	---	---	---	---	---
	CC	$P_{tC.20}$	---	17	32	33	---	---	---	---	---
400	---	$Pt_{0.40}$	---	---	---	61	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	24	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	32	---	---	---	---	---
450	---	$Pt_{0.40}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1500 rpm



Parallel Unit Thermal Ratings
M5 Mounting - 1800 rpm @ 20°C

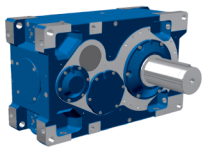
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
6,3	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
7,1	---	$Pt_{0.20}$	*	---	*	---	*	*	*	*	*
	FAN	$P_{tF.20}$	*	---	*	---	*	*	*	*	*
	CC	$P_{tC.20}$	*	---	*	---	*	*	*	*	*
8	---	$Pt_{0.20}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.20}$	*	*	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	*	*	*	*	*	*	*	*	*
9	---	$Pt_{0.20}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.20}$	38	*	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	*	*	*	*	*	*	*	*	*
10	---	$Pt_{0.20}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.20}$	53	78	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	14	32	*	*	*	*	*	*	*
11,2	---	$Pt_{0.20}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.20}$	133	95	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	106	47	*	*	*	*	*	*	*
12,5	---	$Pt_{0.20}$	2	29	*	*	*	*	*	*	*
	FAN	$P_{tF.20}$	133	124	*	38	*	*	*	*	*
	CC	$P_{tC.20}$	107	92	21	50	*	*	*	*	*
14	---	$Pt_{0.20}$	70	40	*	*	*	*	*	*	*
	FAN	$P_{tF.20}$	106	133	141	61	*	*	*	*	*
	CC	$P_{tC.20}$	84	99	163	71	128	21	*	*	*
16	---	$Pt_{0.20}$	72	89	*	*	*	*	*	*	*
	FAN	$P_{tF.20}$	101	98	142	196	*	*	*	*	*
	CC	$P_{tC.20}$	80	71	162	203	139	54	*	*	*
18	---	$Pt_{0.20}$	104	101	73	8	*	*	*	*	*
	FAN	$P_{tF.20}$	89	108	144	186	54	*	*	*	*
	CC	$P_{tC.20}$	70	78	161	192	278	313	257	*	*
20	---	$Pt_{0.20}$	103	116	74	116	*	*	*	*	*
	FAN	$P_{tF.20}$	86	84	134	149	63	*	*	*	*
	CC	$P_{tC.20}$	67	61	150	155	272	304	265	*	*
22,4	---	$Pt_{0.20}$	118	129	131	115	*	*	*	*	*
	FAN	$P_{tF.20}$	76	92	116	139	*	*	*	*	*
	CC	$P_{tC.20}$	59	66	130	144	59	*	*	322	*

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1800 rpm

Parallel Unit Thermal Ratings
M5 Mounting - 1800 rpm @ 20°C



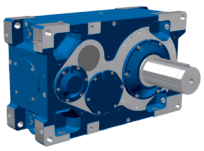
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.20}$	115	126	126	167	*	*	*	*	*
	FAN	$P_{tF.20}$	73	73	109	122	*	*	*	*	*
	CC	$P_{tC.20}$	57	52	122	127	124	90	*	329	*
28	---	$Pt_{0.20}$	56	139	62	160	*	*	*	*	*
	FAN	$P_{tF.20}$	62	79	101	115	*	*	*	*	*
	CC	$P_{tC.20}$	48	57	114	119	122	91	*	*	*
31,5	---	$Pt_{0.20}$	56	69	60	94	*	*	*	*	*
	FAN	$P_{tF.20}$	60	60	96	105	127	100	*	*	*
	CC	$P_{tC.20}$	47	43	108	109	274	338	354	*	*
35,5	---	$Pt_{0.20}$	60	74	77	91	*	*	*	*	*
	FAN	$P_{tF.20}$	56	64	87	99	124	98	*	*	*
	CC	$P_{tC.20}$	43	46	98	103	263	321	344	*	*
40	---	$Pt_{0.20}$	59	70	74	105	10	*	*	*	*
	FAN	$P_{tF.20}$	54	54	83	91	129	129	71	105	*
	CC	$P_{tC.20}$	42	39	93	95	256	335	368	400	*
45	---	$Pt_{0.20}$	62	75	82	101	11	*	*	*	*
	FAN	$P_{tF.20}$	53	58	79	87	122	124	72	108	*
	CC	$P_{tC.20}$	41	41	89	90	244	318	356	393	*
50	---	$Pt_{0.20}$	61	72	78	107	102	99	88	*	*
	FAN	$P_{tF.20}$	51	51	75	83	94	123	160	159	208
	CC	$P_{tC.20}$	40	37	84	86	203	292	395	408	451
56	---	$Pt_{0.20}$	85	77	130	103	98	95	87	*	*
	FAN	$P_{tF.20}$	47	55	71	79	90	117	153	157	203
	CC	$P_{tC.20}$	37	39	80	82	194	277	379	400	434
63	---	$Pt_{0.20}$	82	91	123	153	101	104	102	146	*
	FAN	$P_{tF.20}$	46	46	67	75	84	110	140	170	235
	CC	$P_{tC.20}$	35	33	76	79	181	261	349	374	451
71	---	$Pt_{0.20}$	79	97	120	145	97	99	99	144	*
	FAN	$P_{tF.20}$	43	49	63	72	80	104	135	166	227
	CC	$P_{tC.20}$	33	35	71	74	174	248	336	364	433
80	---	$Pt_{0.20}$	77	84	114	141	121	141	168	153	203
	FAN	$P_{tF.20}$	42	42	60	67	70	89	112	150	165
	CC	$P_{tC.20}$	32	30	68	70	154	217	287	331	334
90	---	$Pt_{0.20}$	77	90	113	134	117	134	162	150	196
	FAN	$P_{tF.20}$	41	45	58	64	68	85	108	146	158
	CC	$P_{tC.20}$	32	32	65	66	148	206	277	323	320
100	---	$Pt_{0.20}$	75	82	107	132	113	132	159	209	201
	FAN	$P_{tF.20}$	40	40	55	61	64	81	101	122	150
	CC	$P_{tC.20}$	31	29	62	64	139	197	260	276	305

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1800 rpm



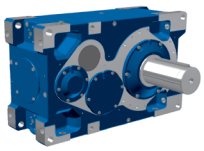
Parallel Unit Thermal Ratings
M5 Mounting - 1800 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.20}$	74	88	112	125	109	126	154	205	194
	FAN	$P_{tF.20}$	35	43	52	58	61	77	97	119	144
	CC	$P_{tC.20}$	28	31	59	61	134	188	251	269	293
125	---	$Pt_{0.20}$	71	77	109	129	---	---	---	196	---
	FAN	$P_{tF.20}$	34	35	50	55	---	---	---	111	---
	CC	$P_{tC.20}$	27	25	57	58	---	---	---	249	---
140	---	$Pt_{0.20}$	71	83	104	126	---	---	---	192	---
	FAN	$P_{tF.20}$	34	37	48	53	---	---	---	108	---
	CC	$P_{tC.20}$	27	27	54	56	---	---	---	243	---
160	---	$Pt_{0.20}$	69	74	103	120	---	---	---	---	---
	FAN	$P_{tF.20}$	33	33	45	51	---	---	---	---	---
	CC	$P_{tC.20}$	26	24	51	53	---	---	---	---	---
180	---	$Pt_{0.20}$	57	80	98	118	---	---	---	---	---
	FAN	$P_{tF.20}$	26	36	43	48	---	---	---	---	---
	CC	$P_{tC.20}$	20	26	49	50	---	---	---	---	---
200	---	$Pt_{0.20}$	55	60	84	112	---	---	---	---	---
	FAN	$P_{tF.20}$	25	26	35	46	---	---	---	---	---
	CC	$P_{tC.20}$	20	19	39	48	---	---	---	---	---
224	---	$Pt_{0.20}$	53	64	81	95	---	---	---	---	---
	FAN	$P_{tF.20}$	24	27	33	37	---	---	---	---	---
	CC	$P_{tC.20}$	19	20	38	39	---	---	---	---	---
250	---	$Pt_{0.20}$	52	56	78	92	---	---	---	---	---
	FAN	$P_{tF.20}$	24	24	32	36	---	---	---	---	---
	CC	$P_{tC.20}$	18	17	36	37	---	---	---	---	---
280	---	$Pt_{0.20}$	52	59	75	88	---	---	---	---	---
	FAN	$P_{tF.20}$	24	25	31	34	---	---	---	---	---
	CC	$P_{tC.20}$	18	18	35	35	---	---	---	---	---
315	---	$Pt_{0.20}$	50	54	73	85	---	---	---	---	---
	FAN	$P_{tF.20}$	23	23	30	33	---	---	---	---	---
	CC	$P_{tC.20}$	18	17	34	34	---	---	---	---	---
355	---	$Pt_{0.20}$	---	58	70	83	---	---	---	---	---
	FAN	$P_{tF.20}$	---	25	29	32	---	---	---	---	---
	CC	$P_{tC.20}$	---	18	33	33	---	---	---	---	---
400	---	$Pt_{0.20}$	---	---	---	80	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	31	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	32	---	---	---	---	---
450	---	$Pt_{0.20}$	---	---	---	111	---	---	---	---	---
	FAN	$P_{tF.20}$	---	---	---	6	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1800 rpm

Parallel Unit Thermal Ratings
M5 Mounting - 1800 rpm @ 40°C



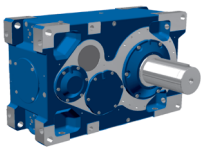
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
5,6	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
6,3	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
7,1	---	$Pt_{0.40}$	*	---	*	---	*	*	*	*	*
	FAN	$P_{tF.40}$	*	---	*	---	*	*	*	*	*
	CC	$P_{tC.20}$	*	---	*	---	*	*	*	*	*
8	---	$Pt_{0.40}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	*	*	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	*	*	*	*	*	*	*	*	*
9	---	$Pt_{0.40}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	*	*	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	*	*	*	*	*	*	*	*	*
10	---	$Pt_{0.40}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	*	*	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	*	*	*	*	*	*	*	*	*
11,2	---	$Pt_{0.40}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	42	*	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	42	*	*	*	*	*	*	*	*
12,5	---	$Pt_{0.40}$	*	*	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	50	70	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	50	61	*	*	*	*	*	*	*
14	---	$Pt_{0.40}$	2	*	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	102	83	*	*	*	*	*	*	*
	CC	$P_{tC.20}$	102	73	78	*	*	*	*	*	*
16	---	$Pt_{0.40}$	8	29	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	96	89	13	56	*	*	*	*	*
	CC	$P_{tC.20}$	96	83	84	112	19	*	*	*	*
18	---	$Pt_{0.40}$	55	36	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	77	96	116	66	*	*	*	*	*
	CC	$P_{tC.20}$	76	90	168	116	197	202	88	*	*
20	---	$Pt_{0.40}$	56	70	*	15	*	*	*	*	*
	FAN	$P_{tF.40}$	73	71	115	141	*	*	*	*	*
	CC	$P_{tC.20}$	73	66	163	182	195	202	111	*	*
22,4	---	$Pt_{0.40}$	78	78	65	23	*	*	*	*	*
	FAN	$P_{tF.40}$	63	78	100	129	*	*	*	*	*
	CC	$P_{tC.20}$	63	72	142	167	*	*	*	136	*

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1800 rpm



Parallel Unit Thermal Ratings
M5 Mounting - 1800 rpm @ 40°C

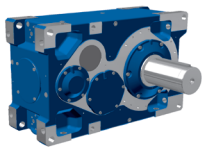
Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
25	---	$Pt_{0.40}$	77	87	64	96	*	*	*	*	*
	FAN	$P_{tF.40}$	61	60	94	104	*	*	*	*	*
	CC	$P_{tC.20}$	61	56	133	138	46	*	*	155	*
28	---	$Pt_{0.40}$	22	96	*	93	*	*	*	*	*
	FAN	$P_{tF.40}$	54	65	92	98	*	*	*	*	*
	CC	$P_{tC.20}$	54	60	129	129	48	*	*	*	*
31.5	---	$Pt_{0.40}$	22	35	*	27	*	*	*	*	*
	FAN	$P_{tF.40}$	52	51	89	96	17	*	*	*	*
	CC	$P_{tC.20}$	52	47	124	125	218	266	258	*	*
35.5	---	$Pt_{0.40}$	30	38	23	28	*	*	*	*	*
	FAN	$P_{tF.40}$	47	54	79	90	20	*	*	*	*
	CC	$P_{tC.20}$	47	50	111	117	210	253	252	*	*
40	---	$Pt_{0.40}$	30	41	23	50	*	*	*	*	*
	FAN	$P_{tF.40}$	46	45	75	80	49	*	*	*	*
	CC	$P_{tC.20}$	46	42	105	104	217	271	285	292	*
45	---	$Pt_{0.40}$	34	44	35	49	*	*	*	*	*
	FAN	$P_{tF.40}$	44	48	70	75	48	*	*	*	*
	CC	$P_{tC.20}$	44	44	98	99	209	258	276	289	*
50	---	$Pt_{0.40}$	34	44	34	58	43	13	*	*	*
	FAN	$P_{tF.40}$	43	42	66	71	84	119	127	*	*
	CC	$P_{tC.20}$	43	39	93	94	220	325	413	315	334
56	---	$Pt_{0.40}$	61	47	91	56	42	14	*	*	*
	FAN	$P_{tF.40}$	38	45	59	68	80	112	124	*	*
	CC	$P_{tC.20}$	38	42	84	89	210	307	399	309	323
63	---	$Pt_{0.40}$	59	66	87	110	49	31	*	23	*
	FAN	$P_{tF.40}$	37	37	56	62	74	101	136	164	49
	CC	$P_{tC.20}$	37	34	80	83	195	286	389	419	346
71	---	$Pt_{0.40}$	58	71	86	105	47	30	*	25	*
	FAN	$P_{tF.40}$	35	40	52	59	71	96	132	159	50
	CC	$P_{tC.20}$	35	37	75	78	187	271	375	407	333
80	---	$Pt_{0.40}$	56	62	82	103	80	88	98	50	94
	FAN	$P_{tF.40}$	34	34	50	55	59	76	96	138	145
	CC	$P_{tC.20}$	34	31	71	74	162	229	304	364	360
90	---	$Pt_{0.40}$	56	67	81	98	77	84	95	50	92
	FAN	$P_{tF.40}$	33	36	48	53	57	72	93	135	139
	CC	$P_{tC.20}$	33	34	69	70	156	218	294	354	345
100	---	$Pt_{0.40}$	55	60	78	97	76	84	96	133	103
	FAN	$P_{tF.40}$	32	32	45	51	54	69	87	105	131
	CC	$P_{tC.20}$	32	30	65	67	147	208	275	292	328

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1800 rpm

Parallel Unit Thermal Ratings
M5 Mounting - 1800 rpm @ 40°C



NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7207/ SK 7307 Thermal Power P_N [kW]	SK 8207/ SK 8307 Thermal Power P_N [kW]	SK 9207/ SK 9307 Thermal Power P_N [kW]	SK 10207/ SK 10307 Thermal Power P_N [kW]	SK 11207/ SK 11307 Thermal Power P_N [kW]	SK 12207/ SK 12307 Thermal Power P_N [kW]	SK 13207/ SK 13307 Thermal Power P_N [kW]	SK 14207/ SK 14307 Thermal Power P_N [kW]	SK 15207/ SK 15307 Thermal Power P_N [kW]
112	---	$Pt_{0.40}$	56	65	84	93	73	80	93	131	99
	FAN	$P_{tF.40}$	29	35	43	48	52	66	84	102	126
	CC	$P_{tC.20}$	29	32	61	64	141	198	266	285	315
125	---	$Pt_{0.40}$	54	59	82	98	---	---	---	128	---
	FAN	$P_{tF.40}$	28	28	41	45	---	---	---	94	---
	CC	$P_{tC.20}$	28	26	59	60	---	---	---	263	---
140	---	$Pt_{0.40}$	54	63	79	96	---	---	---	125	---
	FAN	$P_{tF.40}$	28	30	39	44	---	---	---	92	---
	CC	$P_{tC.20}$	28	28	57	58	---	---	---	257	---
160	---	$Pt_{0.40}$	52	57	79	91	---	---	---	---	---
	FAN	$P_{tF.40}$	27	27	37	42	---	---	---	---	---
	CC	$P_{tC.20}$	27	25	53	56	---	---	---	---	---
180	---	$Pt_{0.40}$	44	61	75	91	---	---	---	---	---
	FAN	$P_{tF.40}$	21	29	35	39	---	---	---	---	---
	CC	$P_{tC.20}$	21	27	51	53	---	---	---	---	---
200	---	$Pt_{0.40}$	43	47	66	87	---	---	---	---	---
	FAN	$P_{tF.40}$	20	21	28	38	---	---	---	---	---
	CC	$P_{tC.20}$	20	19	41	50	---	---	---	---	---
224	---	$Pt_{0.40}$	41	49	63	75	---	---	---	---	---
	FAN	$P_{tF.40}$	20	22	27	30	---	---	---	---	---
	CC	$P_{tC.20}$	20	20	39	40	---	---	---	---	---
250	---	$Pt_{0.40}$	40	44	61	72	---	---	---	---	---
	FAN	$P_{tF.40}$	19	19	26	29	---	---	---	---	---
	CC	$P_{tC.20}$	19	18	38	39	---	---	---	---	---
280	---	$Pt_{0.40}$	40	46	58	69	---	---	---	---	---
	FAN	$P_{tF.40}$	19	20	25	28	---	---	---	---	---
	CC	$P_{tC.20}$	19	19	36	37	---	---	---	---	---
315	---	$Pt_{0.40}$	39	42	57	66	---	---	---	---	---
	FAN	$P_{tF.40}$	18	19	25	27	---	---	---	---	---
	CC	$P_{tC.20}$	18	17	35	36	---	---	---	---	---
355	---	$Pt_{0.40}$	---	45	55	65	---	---	---	---	---
	FAN	$P_{tF.40}$	---	20	24	26	---	---	---	---	---
	CC	$P_{tC.20}$	---	18	34	35	---	---	---	---	---
400	---	$Pt_{0.40}$	---	---	---	63	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	25	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	34	---	---	---	---	---
450	---	$Pt_{0.40}$	---	---	---	---	---	---	---	---	---
	FAN	$P_{tF.40}$	---	---	---	---	---	---	---	---	---
	CC	$P_{tC.20}$	---	---	---	---	---	---	---	---	---

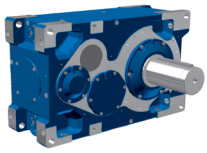
40°C = 104°F

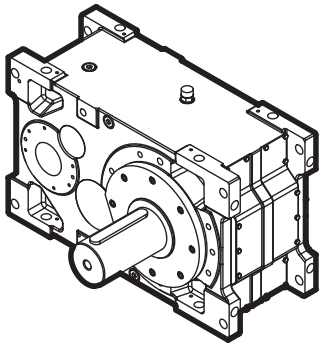
Nominal speed for all FAN ratings = 1800 rpm

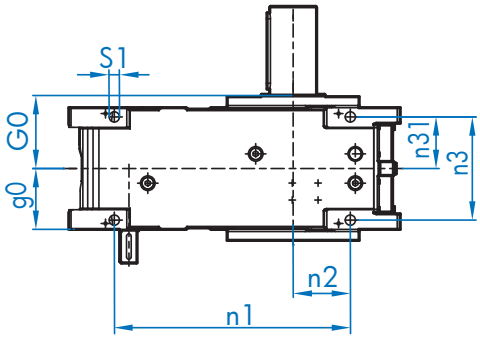
DRIVESYSTEMS

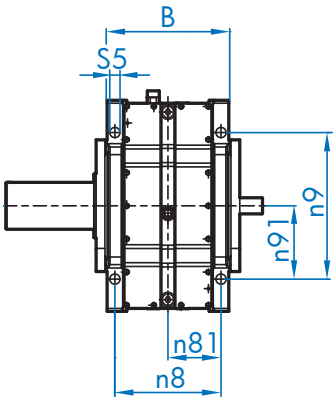
Parallel Dimensions

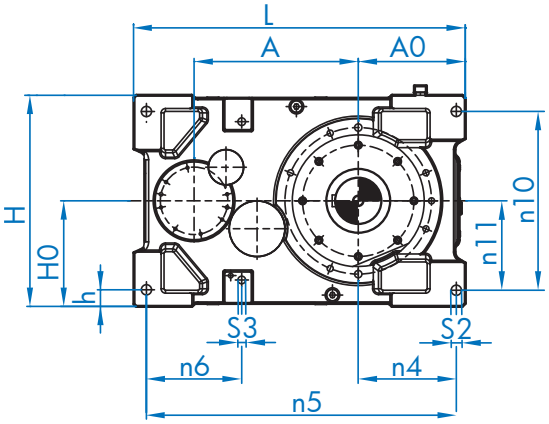
Parallel Drives
Dimension Overview

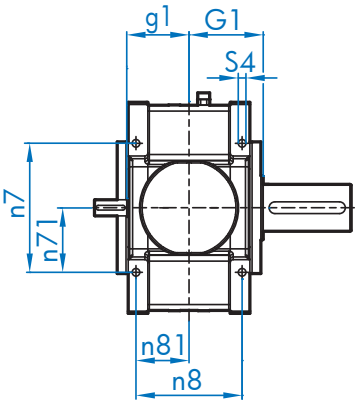






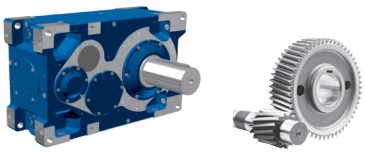




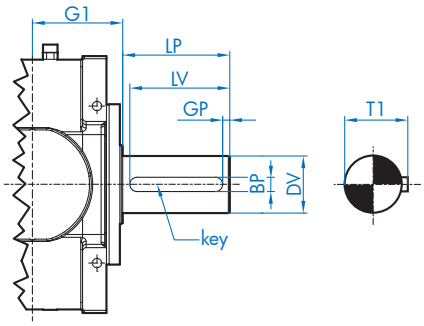


	OVERALL DIMENSIONS											MOUNTING HOLE DIM.			
	A	A0	B	g0	G0	g1	G1	h	H	H0	L	S1/S2/S4	S3	S5	⇨🕮
SK 7..07	440	295	350	175	189	179	197	35	530	265	870	ø 28	M24 x 30	M24	148
SK 8..07	465	325	350	175	189	179	197	35	590	295	925	ø 28	M24 x 30	M24	154
SK 9..07	530	330	415	207.5	248	212.5	253	45	650	325	1055	ø 35	M30 x 45	M30	160
SK 10..07	560	365	415	207.5	248	212.5	253	45	720	360	1130	ø 35	M30 x 45	M30	166
SK 11..07	630	370	440	254	270	260	280	52	750	375	1210	ø 42	M36 x 58	M36	172
SK 12..07	695	405	510	288.5	305	294	315	57	850	425	1345	ø 48	M42 x 65	M42	178
SK 13..07	780	475	550	323	343	328	353	60	950	475	1530	ø 55	M48 x 75	M48	184
SK 14..07	835	505	610	325	373	355	383	60	1050	525	1615	ø 55	M48 x 75	M48	190
SK 15..07	935	545	650	361	385	371	395	70	1100	550	1800	ø 65	M56 x 90	M56	196

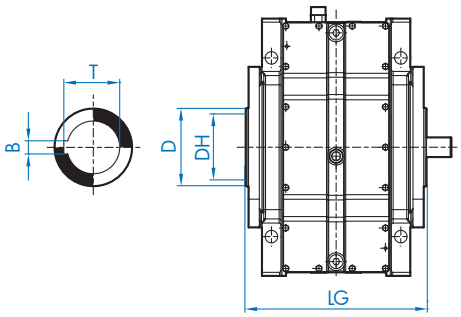
	CENTER DISTANCE DIMENSIONS														
	n1	n2	n3	n31	n4	n5	n6	n7	n71	n8	n81	n9	n91	n10	n11	⇨🕮
SK 7..07	590	160	305	152.5	270	820	220	380	190	300	150	380	190	460	230	148
SK 8..07	645	160	305	152.5	300	875	220	440	220	300	150	380	190	540	270	154
SK 9..07	730	175	352	176	302.5	995	325	440	220	362	181	440	220	540	270	160
SK 10..07	805	170	352	176	335	1057	325	500	250	362	181	440	220	640	320	166
SK 11..07	850	217.5	370	185	330	1130	340	520	260	385	192.5	520	260	670	335	172
SK 12..07	930	257.5	430	215	365	1265	410	600	300	440	220	600	300	770	385	178
SK 13..07	1050	290	465	232.5	425	1430	450	700	350	475	237.5	700	350	850	425	184
SK 14..07	1100	295	525	262.5	455	1515	150	780	390	535	267.5	700	350	950	475	190
SK 15..07	1230	345	550	275	490	1690	530	800	400	560	280	800	400	990	495	196



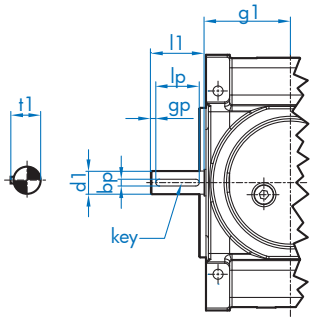
Parallel Drives
Dimension Overview



Solid Output Shaft



Hollow Shaft

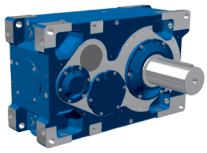


Solid Input Shaft

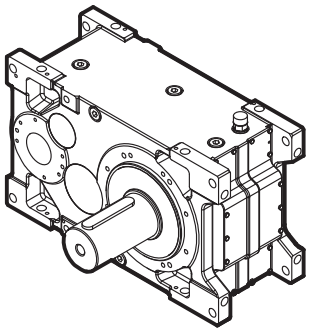
	SOLID OUTPUT SHAFT							HOLLOW SHAFT					
	DV ø	LV	LP	BP	GP	T1	key	D ø	DH ø	LG	B	T	⇨🕮
SK 7..07	140	250	200	36	25	148	36 x 20 x 200	160	125 H7	394	32	132.4	148
SK 8..07	140	250	200	36	25	148	36 x 20 x 200	160	125 H7	394	32	132.4	154
SK 9..07	160	300	260	40	20	169	40 x 20 x 260	220	160 H7	506	40	169.4	160
SK 10..07	160	300	260	40	20	169	40 x 20 x 260	220	160 H7	506	40	169.4	166
SK 11..07	170	300	260	40	20	179	40 x 22 x 260	240	170 H7	560	40	179.4	172
SK 12..07	200	350	300	45	25	210	45 x 25 x 300	250	190 H7	630	45	200.4	178
SK 13..07	230	410	350	50	31	241	50 x 28 x 350	285	230 H7	706	50	241.4	184
SK 14..07	250	410	360	56	25	262	56 x 32 x 360	285	230 H7	766	50	241.4	190
SK 15..07	250	410	360	56	25	262	56 x 32 x 360	320	250 H7	790	56	262.4	196

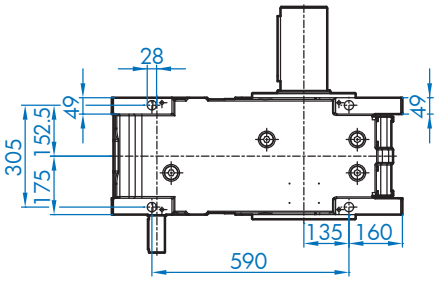
	SK..207 SOLID INPUT SHAFT							
	i_N	d1ø	l1	lp	bp	gp	t1	key
SK 7..07	**7.1-25**	48	110	100	14	5	51.5	14 x 9 x 100
SK 8..07	**8-28**	48	110	100	14	5	51.5	14 x 9 x 100
SK 9..07	**7.1-25**	55	110	90	16	10	59	16 x 10 x 90
SK 10..07	**8-28**	55	110	90	16	10	59	16 x 10 x 90
SK 11..07	**5.6-20**	80	170	140	22	15	85	22 x 14 x 140
SK 12..07	**5.6-20**	100	210	180	28	15	106	28 x 16 x 180
SK 13..07	**5,6-20**	110	210	180	28	15	116	28 x 16 x 180
SK 14..07	**7.1-25**	110	210	180	28	15	116	28 x 16 x 180
SK 15..07	**5.6-20**	120	245	200	32	15	127	32 x 18 x 200

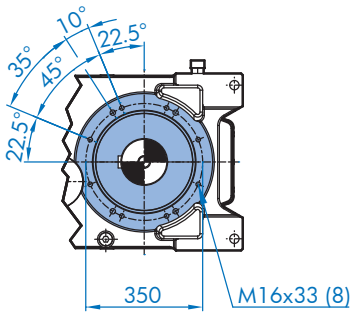
	SK..307 SOLID INPUT SHAFT								
	i_N	d1ø	l1	lp	bp	gp	t1	key	⇨🕮
SK 7..07	**28-315**	48	110	100	14	5	51.5	14 x 9 x 100	148
SK 8..07	**31.5-355**	48	110	100	14	5	51.5	14 x 9 x 100	154
SK 9..07	**28-355**	55	110	90	16	10	59	16 x 10 x 90	160
SK 10..07	**28-400**	55	110	90	16	10	59	16 x 10 x 90	166
SK 11..07	**22.4-112**	70	140	125	20	7.5	74.5	20 x 12 x 125	172
SK 12..07	**22.4-112**	80	170	140	22	15	85	22 x 14 x 140	178
SK 13..07	**22.4-112**	80	170	140	22	15	85	22 x 14 x 140	184
SK 14..07	**28-140**	80	170	140	22	15	85	22 x 14 x 140	190
SK 15..07	**22.4-45**	100	210	180	28	15	106	28 x 16 x 180	196
	50-112	80	170	140	22	15	85	22 x 14 x 140	196

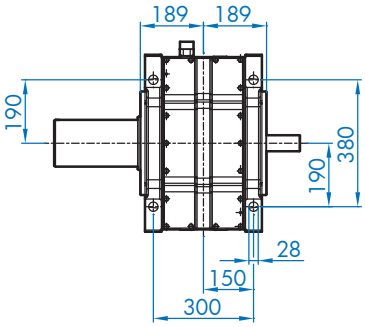


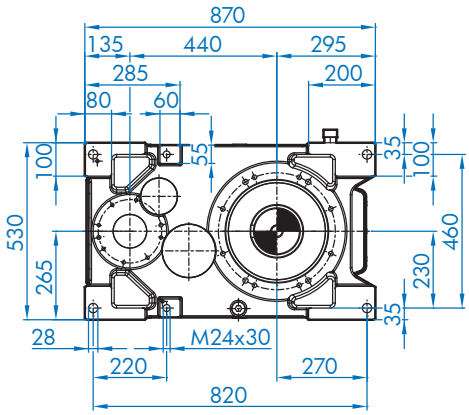
SK 7207/7307 V

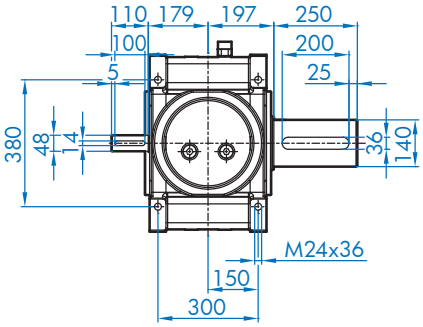




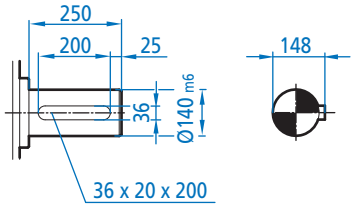




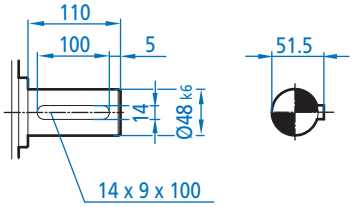


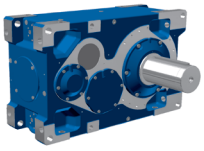


SK 7207/7307 V - Output Shaft Detail



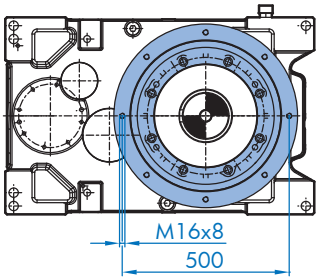
SK 7207/7307 V - Input Shaft Detail

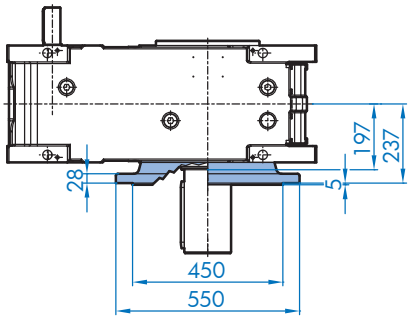




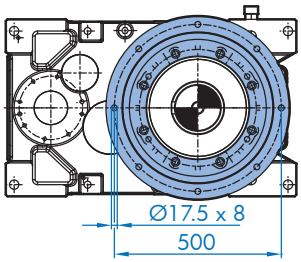
Parallel Drives
SK 7207 VF / SK 7307 VF

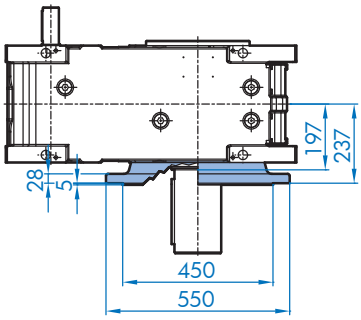
SK 7207/7307 VF



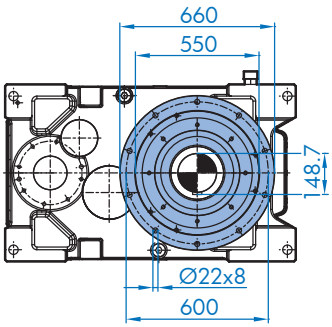


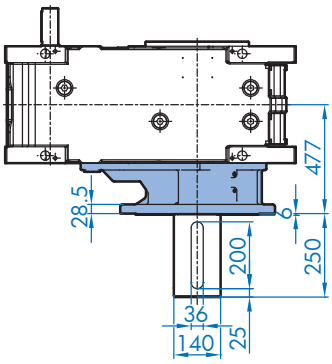
SK 7207/7307 VFK



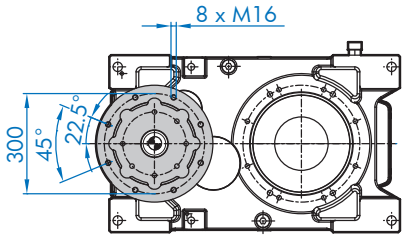


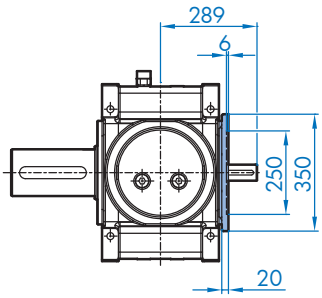
SK 7207/7307 VL2/VL3/VL4



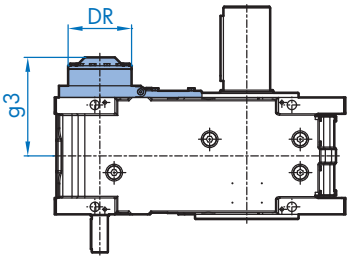


SK 7207/7307 F1 - Input Flange



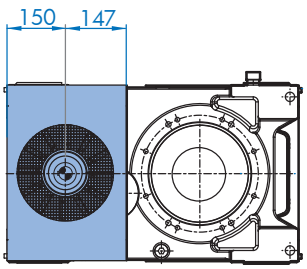


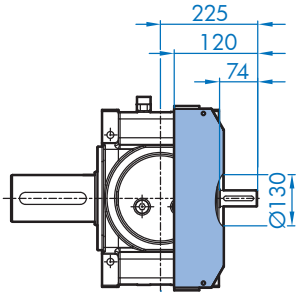
SK 7207/7307 R - Backstop

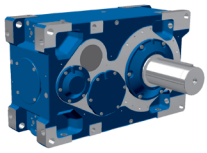


R	i_N	DR	g3
SK7207	7.1-25	190	295
SK7307	28-355	175	288

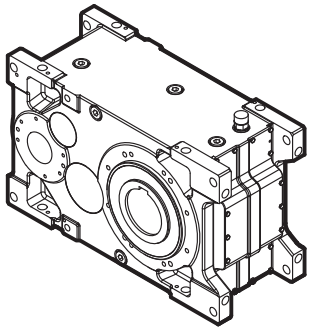
SK 7207/7307 FAN

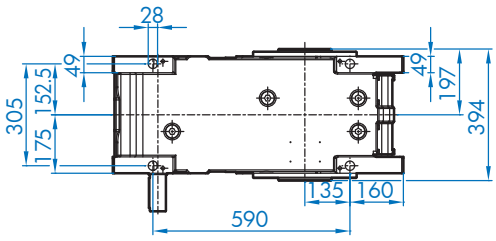


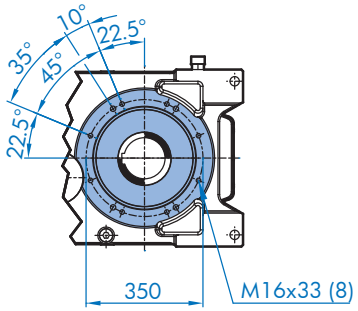


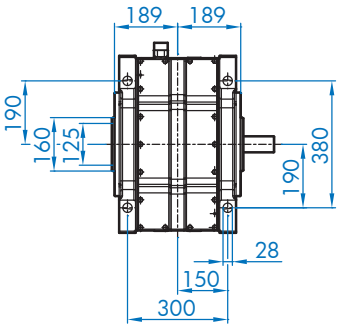


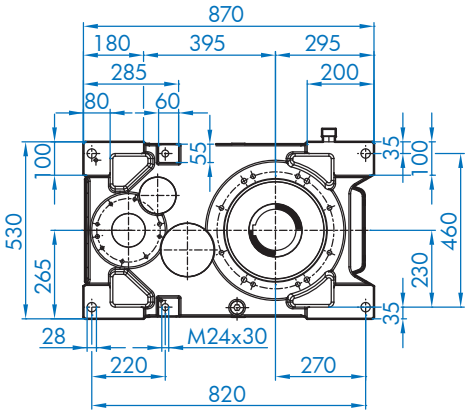
SK 7207/7307 A

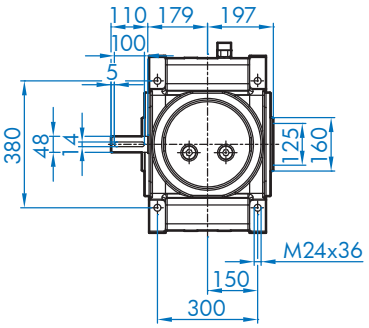




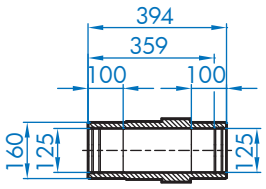


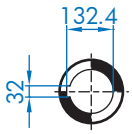


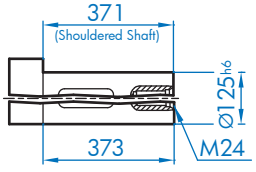




SK 7207/7307 A

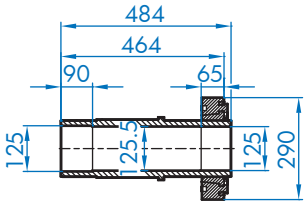


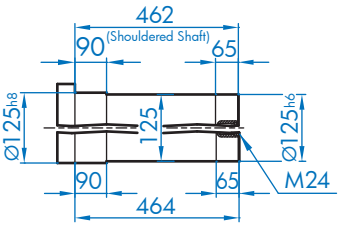




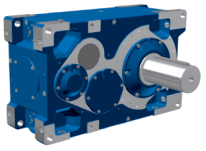
customer shaft recommendation

SK 7207/7307 AS

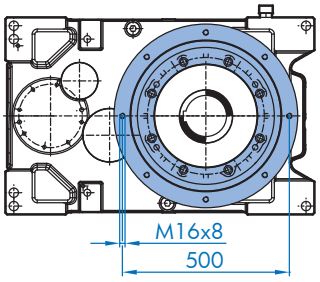


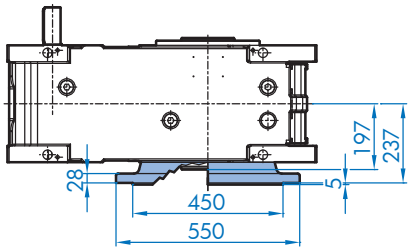


customer shaft recommendation

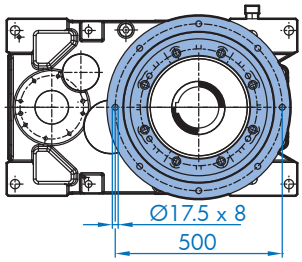


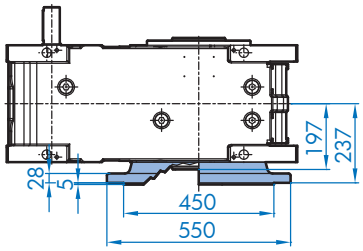
SK 7207/7307 AF



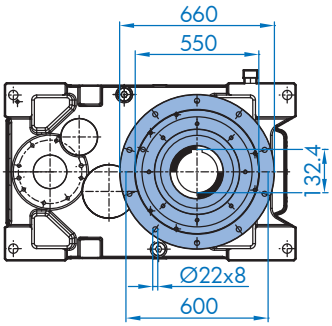


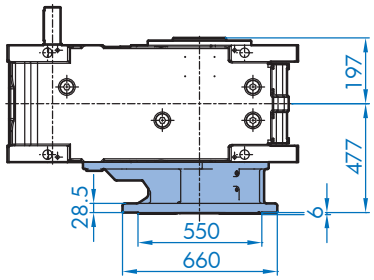
SK 7207/7307 AFK



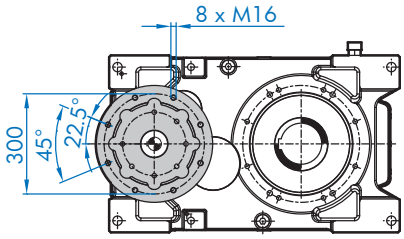


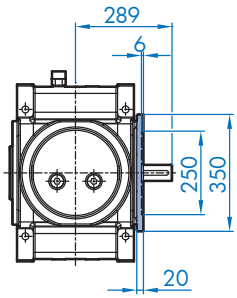
SK 7207/7307 VL2/VL3/VL4



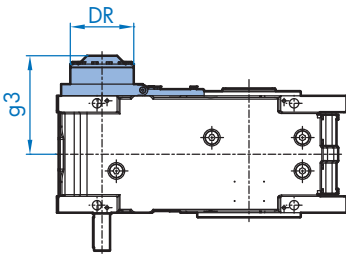


SK 7207/7307 F1 - Input Flange



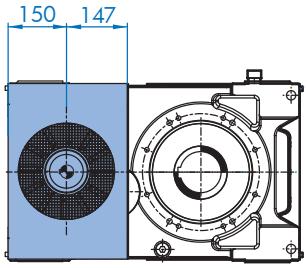


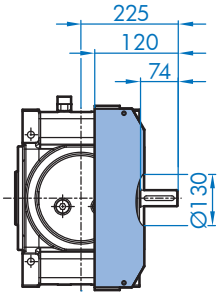
SK 7207/7307 R - Backstop

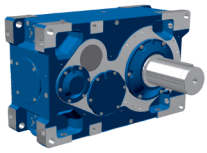


R	i_N	DR	g3
SK7207	7.1-25	190	295
SK7307	28-355	175	288

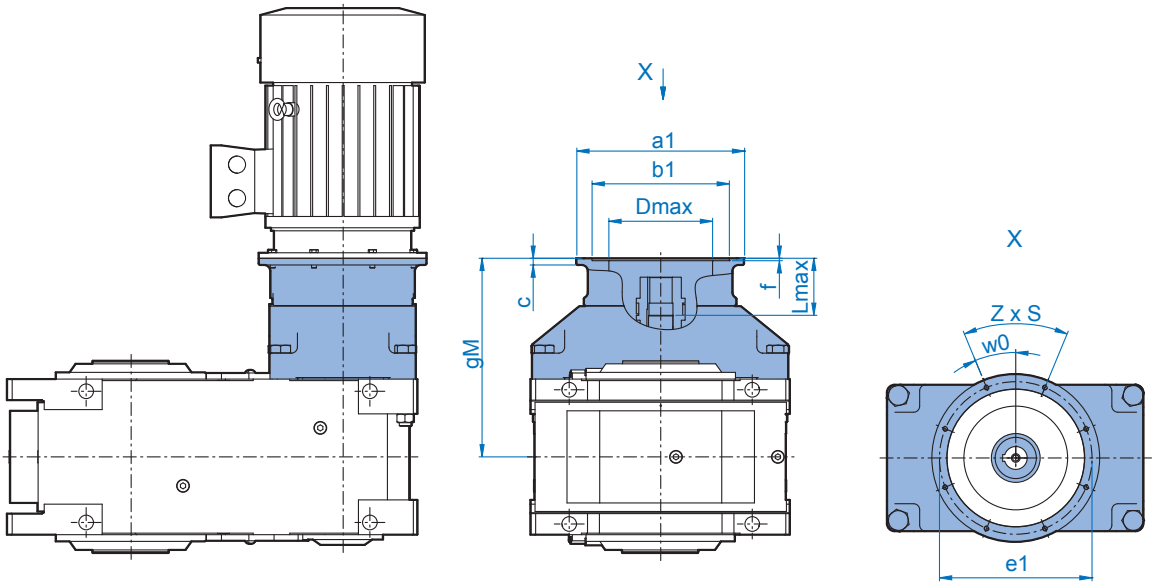
SK 7207/7307 FAN







SK 7207 - SK 7307



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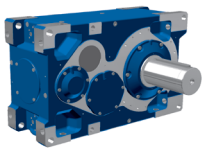
		132	409	300	230	265	12	4	4 x 14.5	0	210	120
		160	439	350	250	300	15	6.5	4 x 17.5	45	220	150
		180	439	350	250	300	15	6.5	4 x 17.5	45	220	150
		200	439	400	300	350	17	6.5	4 x 17.5	45	250	150
		225	469	450	350	400	18	6.5	8 x 17.5	22.5	250	180
		250	469	550	450	500	22	8	8 x M16	22.5	250	180
		280	469	550	450	500	22	8	8 x M16	22.5	250	180
		315	499	660	550	600	22	8	8 x 22	22.5	250	210
	TN [2]	315	499	800	680	740	25	8	8 x 22	22.5	250	210
		355	499	900	780	840	25	8	8 x 22	22.5	250	210
SK 7307	IEC	100	389	250	180	215	11	4	4 x 14.5	0	160	100
		112	389	250	180	215	11	4	4 x 14.5	0	160	100
		132	409	300	230	265	12	4	4 x 14.5	0	210	120
		160	439	350	250	300	15	6.5	4 x 17.5	45	220	150
		180	439	350	250	300	15	6.5	4 x 17.5	45	220	150
		200	439	400	300	350	17	6.5	4 x 17.5	45	250	150
		225	469	450	350	400	18	6.5	8 x 17.5	22.5	250	180
		250	469	550	450	500	22	8	8 x M16	22.5	250	180
		280	469	550	450	500	22	8	8 x M16	22.5	250	180
		315	499	660	550	600	22	8	8 x 22	22.5	250	210
	TN [2]	315	499	800	680	740	25	8	8 x 22	22.5	250	210
		355	499	900	780	840	25	8	8 x 22	22.5	250	210

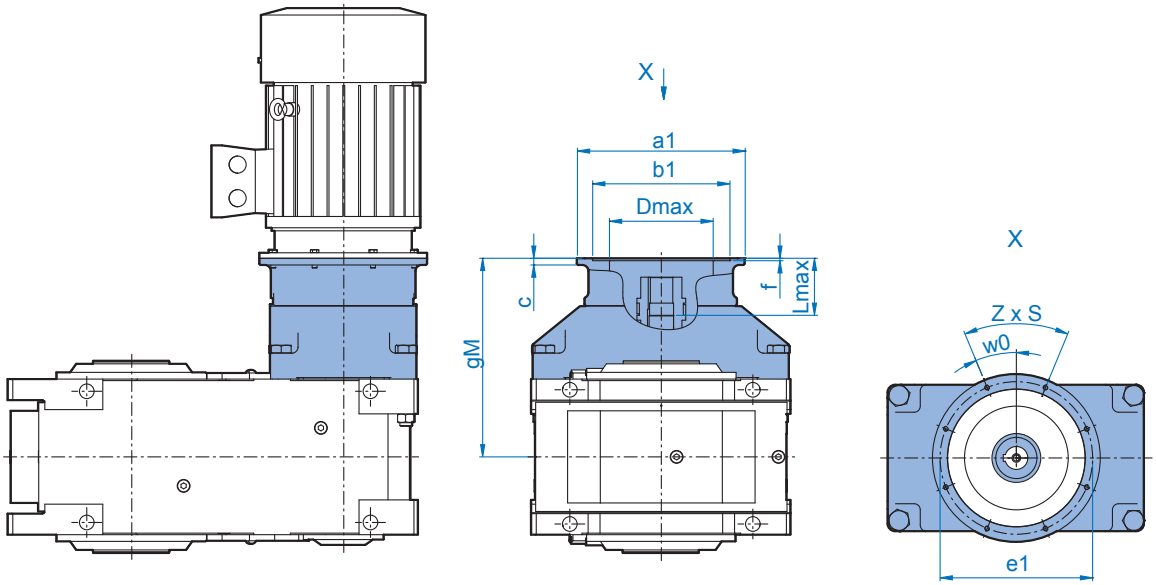
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request

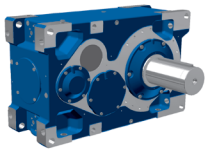


Parallel Drives
SK 7207 / 7307 (NEMA)

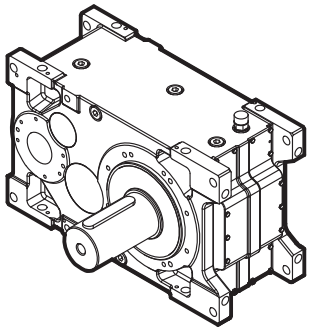
SK 7207 - SK 7307

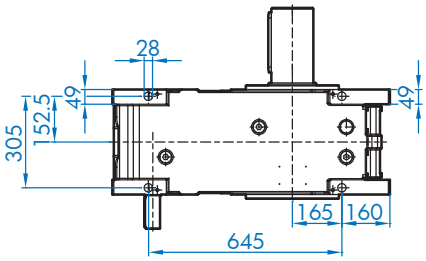


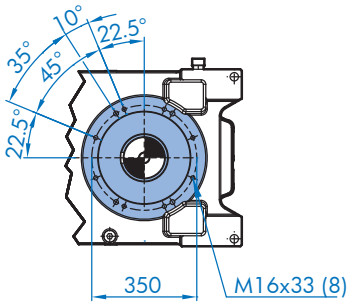
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 7207	NEMA	254/256 TC	439	350	215.9	184.15	38	4	4 x 1/2-13	45	220	173
		284/286 TC	439	350	266.7	228.6	38	4	4 x 1/2-13	45	220	173
		324/326 TC	439	400	317.5	279.4	51	4	4 x 5/8-11	45	265	184
		364/365 TC	469	450	317.5	279.4	52	4	4 x 5/8-11	45	280	214
		404/405 TC	469	550	317.5	279.4	70	6	4 x 5/8-11	45	330	228
		444/445 TC	469	550	406.4	355.6	102	6	4 x 5/8-11	45	330	260
		447/449 TC	499	660	406.4	355.6	67	6	4 x 5/8-11	45	330	255
SK 7307	NEMA	254/256 TC	439	350	215.9	184.15	38	4	4 x 1/2-13	45	220	173
		284/286 TC	439	350	266.7	228.6	38	4	4 x 1/2-13	45	220	173
		324/326 TC	439	400	317.5	279.4	51	4	4 x 5/8-11	45	265	184
		364/365 TC	469	450	317.5	279.4	52	4	4 x 5/8-11	45	280	214
		404/405 TC	469	550	317.5	279.4	70	6	4 x 5/8-11	45	330	228
		444/445 TC	469	550	406.4	355.6	102	6	4 x 5/8-11	45	330	260
		447/449 TC	499	660	406.4	355.6	67	6	4 x 5/8-11	45	330	255

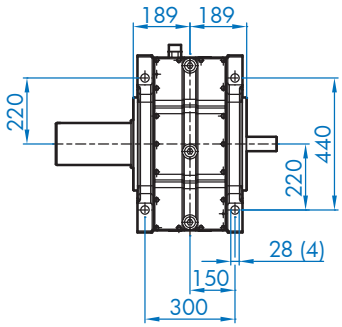


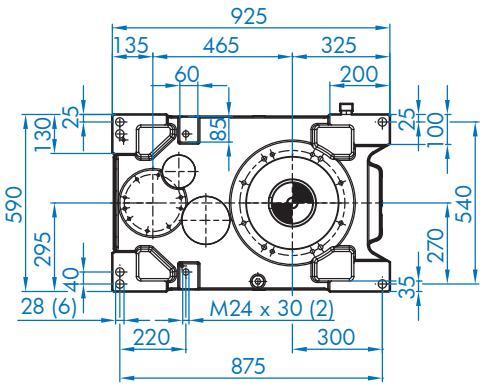
SK 8207/8307 V

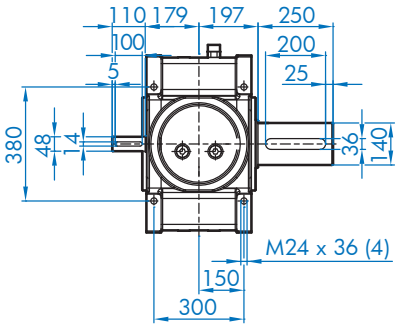




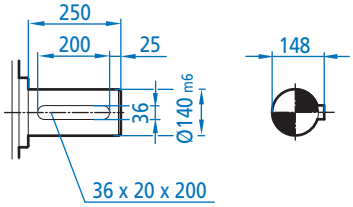




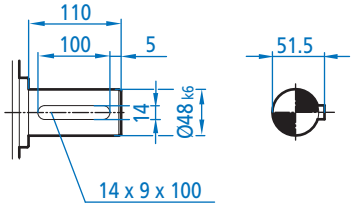


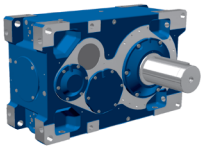


SK 8207/8307 V - Output Shaft Detail



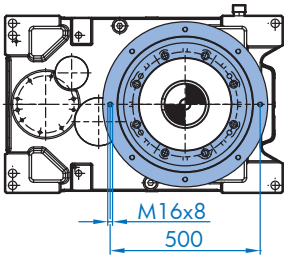
SK 8207/8307 V - Input Shaft Detail

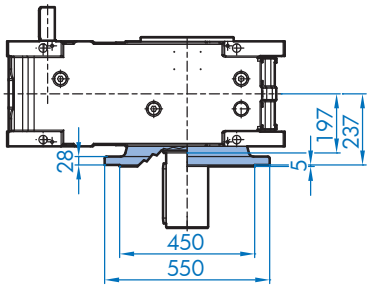




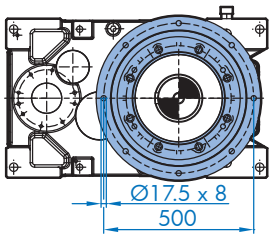
Parallel Drives
SK 8207 VF / SK 8307 VF

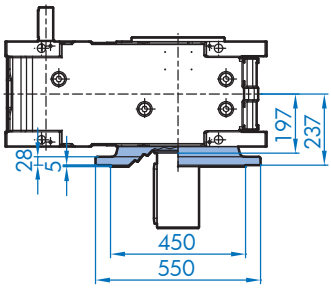
SK 8207/8307 VF



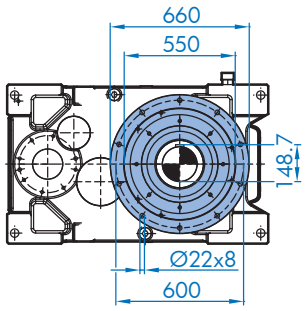


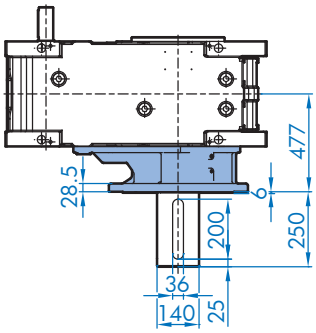
SK 8207/8307 VFK



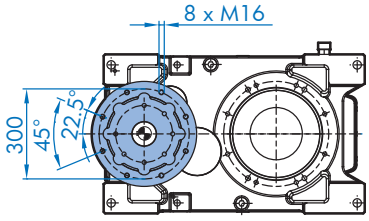


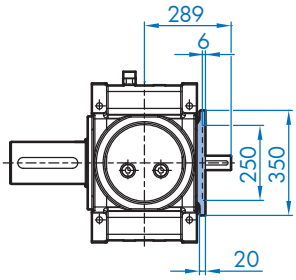
SK 8207/8307 VL2/VL3/VL4



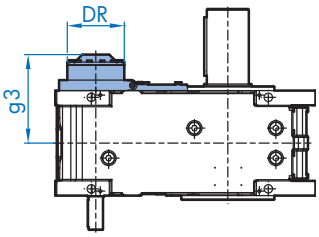


SK 8207/8307 F1 - Input Flange



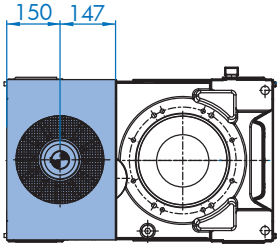


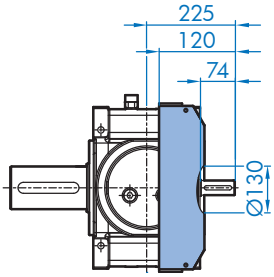
SK 8207/8307 R - Backstop

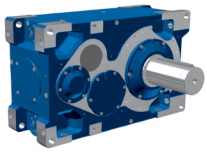


R	i_N	DR	g3
SK8207	8-28	190	295
SK8307	31.5-100	175	288

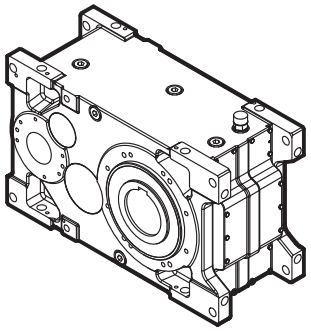
SK 8207/8307 FAN

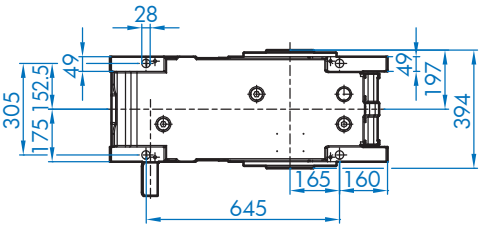


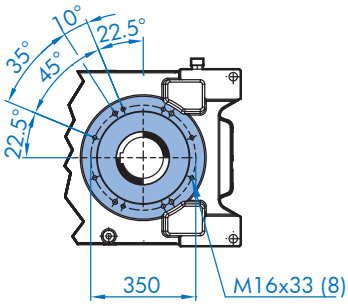


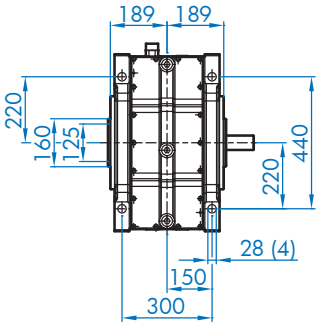


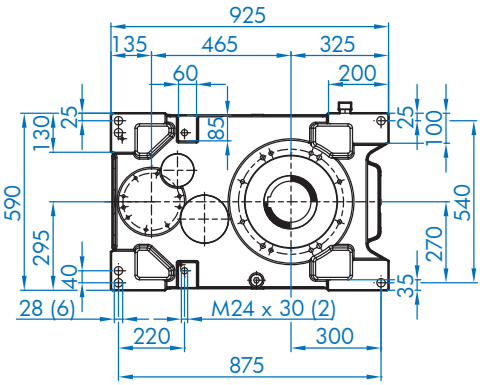
SK 8207/8307 A

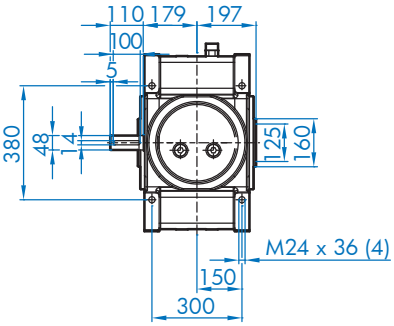




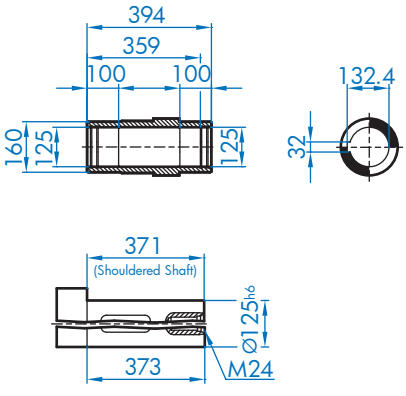






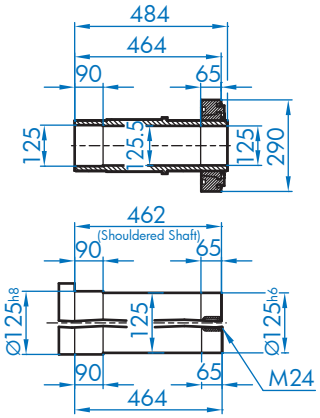


SK 8207/8307 A

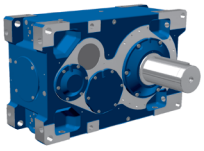


customer shaft recommendation

SK 8207/8307 AS

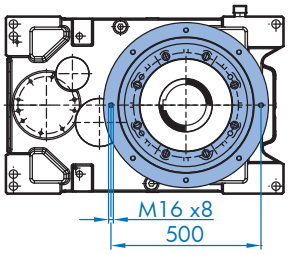


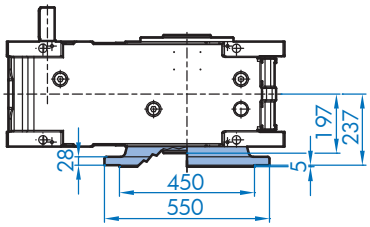
customer shaft recommendation



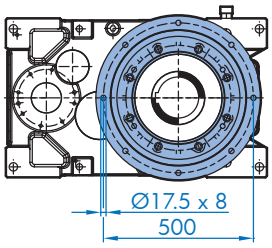
Parallel Drives
SK 8207 AF / SK 8307 AF

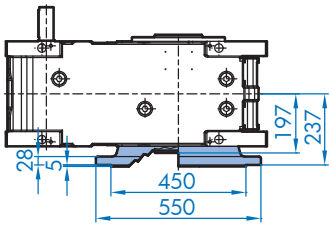
SK 8207/8307 AF



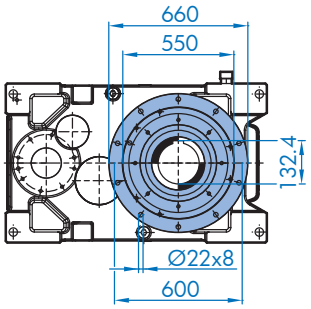


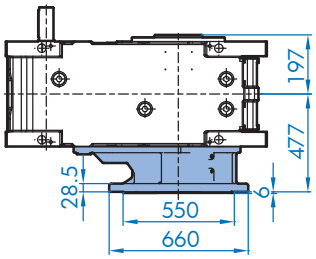
SK 8207/8307 AFK



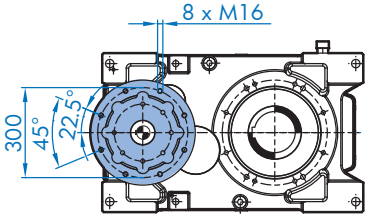


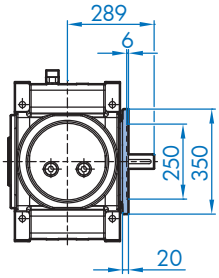
SK 8207/8307 VL2/VL3/VL4



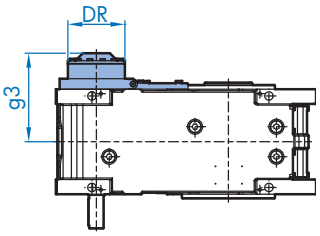


SK 8207/8307 F1 - Input Flange



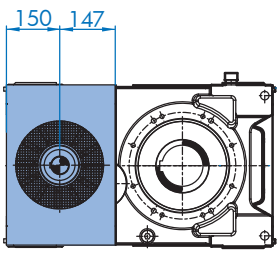


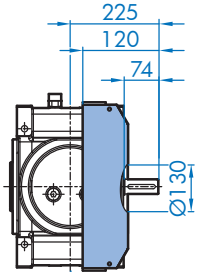
SK 8207/8307 R - Backstop

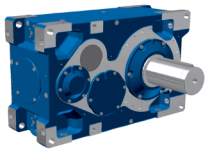


R	i_N	DR	g3
SK8207	8-28	190	295
SK8307	31.5-100	175	288

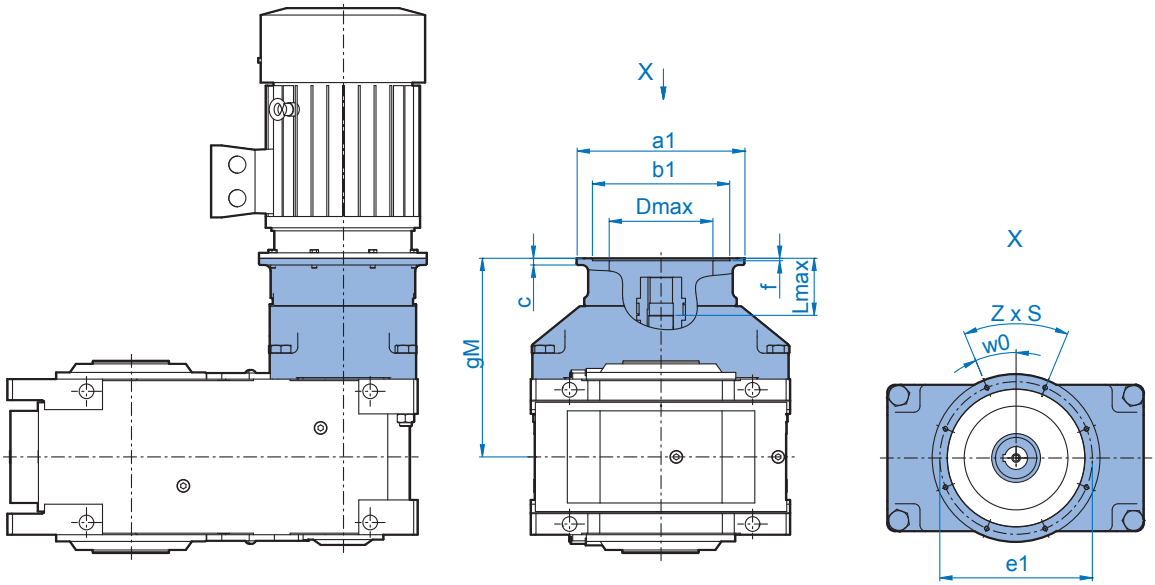
SK 8207/8307 FAN







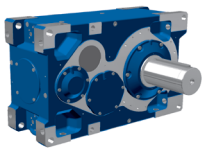
SK 8207 - SK 8307



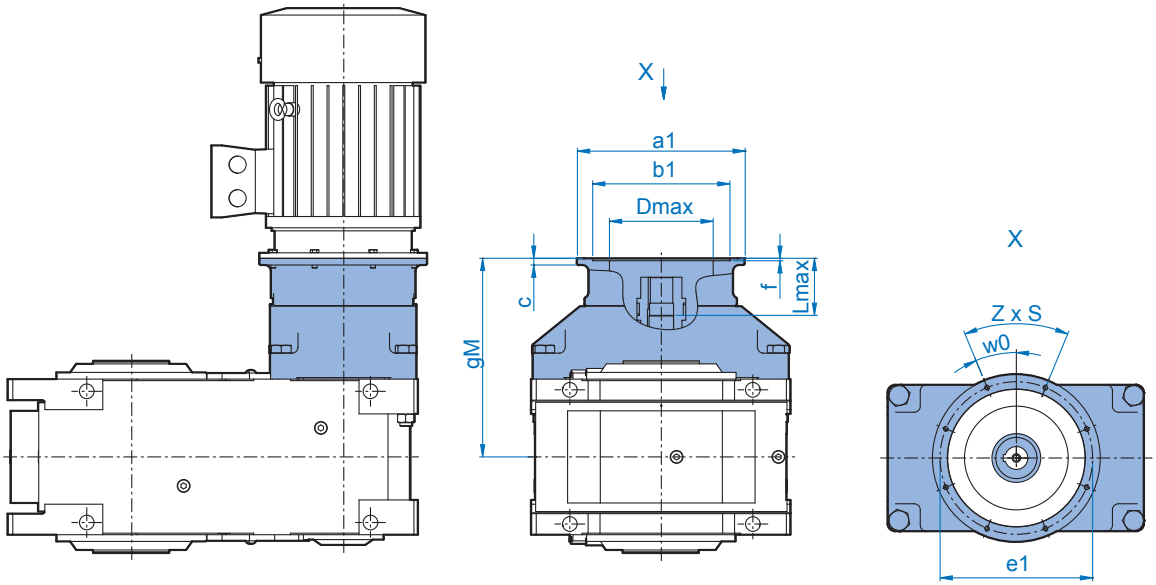
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 8207	IEC	100	389	250	180	215	11	4	4 x 14.5	0	160	100
		112	389	250	180	215	11	4	4 x 14.5	0	160	100
		132	409	300	230	265	12	4	4 x 14.5	0	210	120
		160	439	350	250	300	15	6.5	4 x 17.5	45	220	150
		180	439	350	250	300	15	6.5	4 x 17.5	45	220	150
		200	439	400	300	350	17	6.5	4 x 17.5	45	250	150
		225	469	450	350	400	18	6.5	8 x 17.5	22.5	250	180
		250	469	550	450	500	22	8	8 x M16	22.5	250	180
		280	469	550	450	500	22	8	8 x M16	22.5	250	180
		315	499	660	550	600	22	8	8 x 22	22.5	250	210
	TN [2]	315	499	800	680	740	25	8	8 x 22	22.5	250	210
		355	499	900	780	840	25	8	8 x 22	22.5	250	210
SK 8307	IEC	100	389	250	180	215	11	4	4 x 14.5	0	160	100
		112	389	250	180	215	11	4	4 x 14.5	0	160	100
		132	409	300	230	265	12	4	4 x 14.5	0	210	120
		160	439	350	250	300	15	6.5	4 x 17.5	45	220	150
		180	439	350	250	300	15	6.5	4 x 17.5	45	220	150
		200	439	400	300	350	17	6.5	4 x 17.5	45	250	150
		225	469	450	350	400	18	6.5	8 x 17.5	22.5	250	180
		250	469	550	450	500	22	8	8 x M16	22.5	250	180
		280	469	550	450	500	22	8	8 x M16	22.5	250	180
		315	499	660	550	600	22	8	8 x 22	22.5	250	210
	TN [2]	315	499	800	680	740	25	8	8 x 22	22.5	250	210
		355	499	900	780	840	25	8	8 x 22	22.5	250	210

[1] Type designation and dimensions up to 200kW correspond to NORD motors

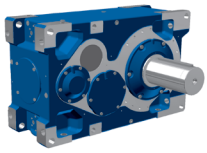
[2] Data for Transnorm motors available on request



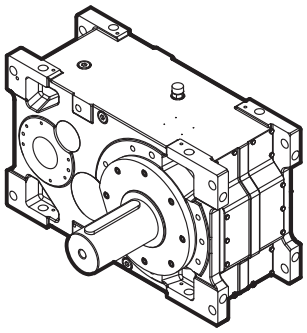
SK 8207 - SK 8307

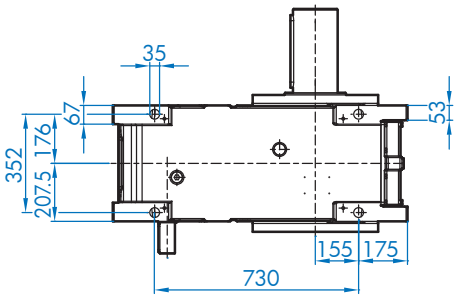


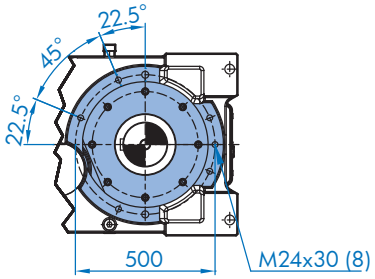
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 8207	NEMA	254/256 TC	439	350	215.9	184.15	38	4	4 x 1/2-13	45	220	173
		284/286 TC	439	350	266.7	228.6	38	4	4 x 1/2-13	45	220	173
		324/326 TC	439	400	317.5	279.4	51	4	4 x 5/8-11	45	265	184
		364/365 TC	469	450	317.5	279.4	52	4	4 x 5/8-11	45	280	214
		404/405 TC	469	550	317.5	279.4	70	6	4 x 5/8-11	45	330	228
		444/445 TC	469	550	406.4	355.6	102	6	4 x 5/8-11	45	330	260
		447/449 TC	499	660	406.4	355.6	67	6	4 x 5/8-11	45	330	255
SK 8307	NEMA	254/256 TC	439	350	215.9	184.15	38	4	4 x 1/2-13	45	220	173
		284/286 TC	439	350	266.7	228.6	38	4	4 x 1/2-13	45	220	173
		324/326 TC	439	400	317.5	279.4	51	4	4 x 5/8-11	45	265	184
		364/365 TC	469	450	317.5	279.4	52	4	4 x 5/8-11	45	280	214
		404/405 TC	469	550	317.5	279.4	70	6	4 x 5/8-11	45	330	228
		444/445 TC	469	550	406.4	355.6	102	6	4 x 5/8-11	45	330	260
		447/449 TC	499	660	406.4	355.6	67	6	4 x 5/8-11	45	330	255

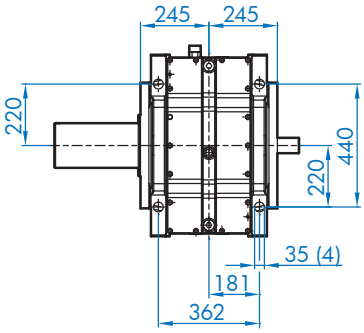


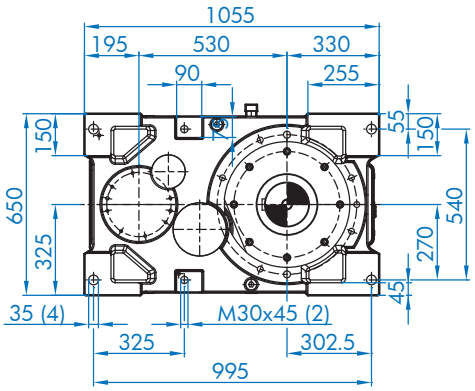
SK 9207/9307 V

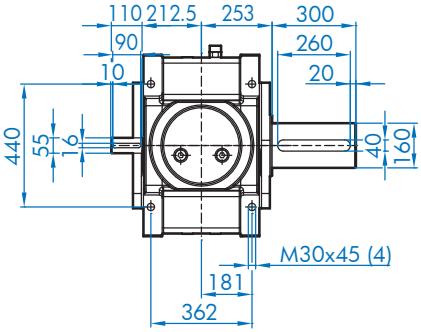




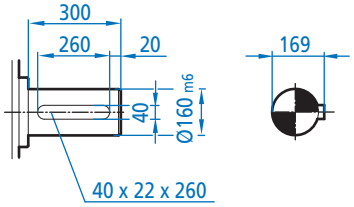




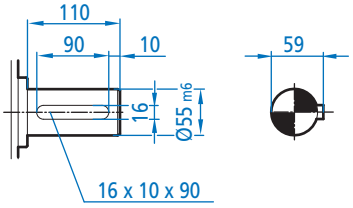


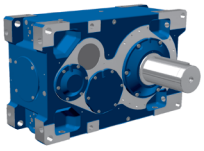


SK 9207/9307 V - Output Shaft Detail



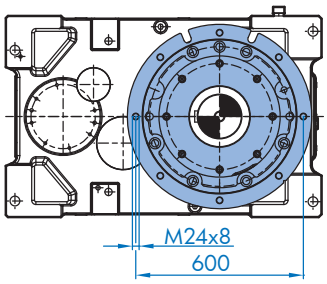
SK 9207/9307 V - Input Shaft Detail

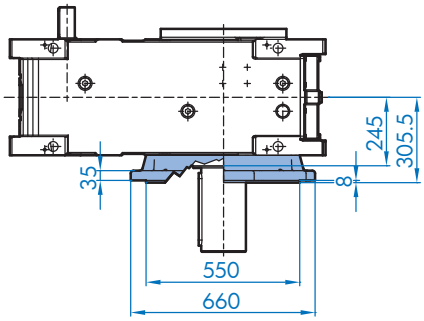




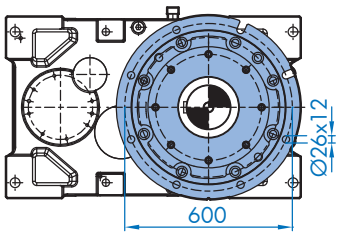
Parallel Drives
SK 9207 VF / SK 9307 VF

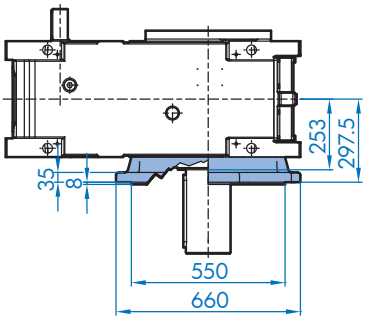
SK 9207/9307 VF



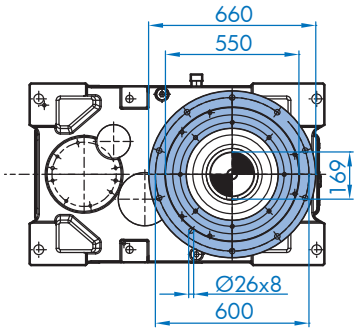


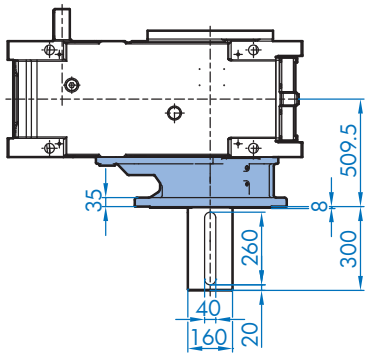
SK 9207/9307 VFK



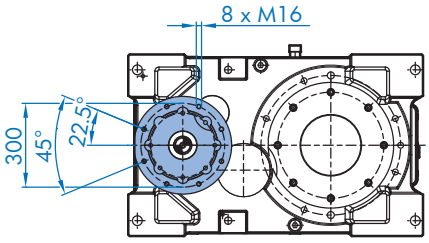


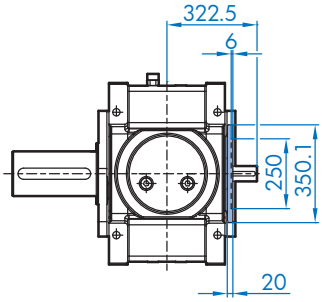
SK 9207/9307 VL2/VL3/VL4



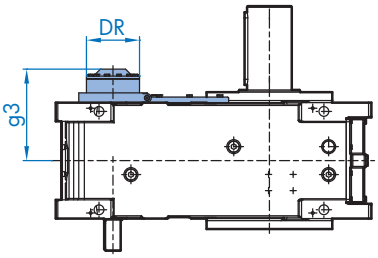


SK 9207/9307 F1 - Input Flange



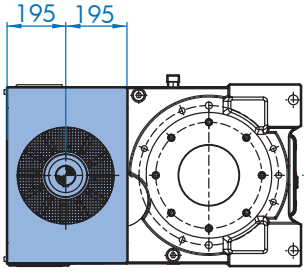


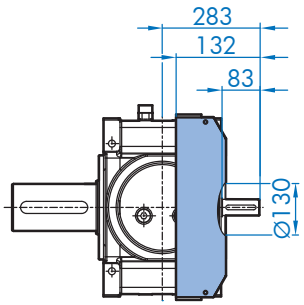
SK 9207/9307 R - Backstop

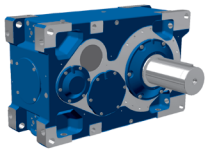


R	i_N	DR	g3
SK9207	7.1-25	210	329.5
SK9307	28-355	190	326.5

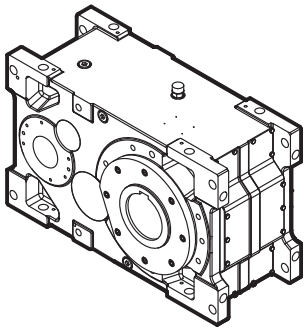
SK 9207/9307 FAN

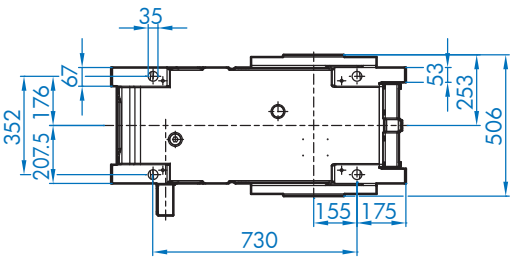


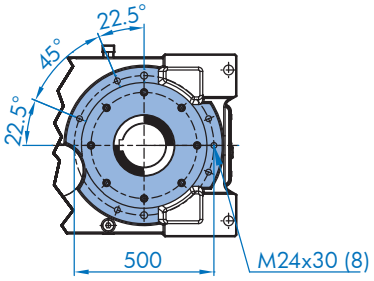


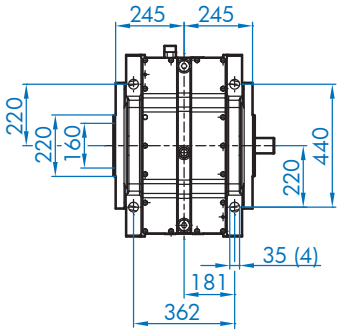


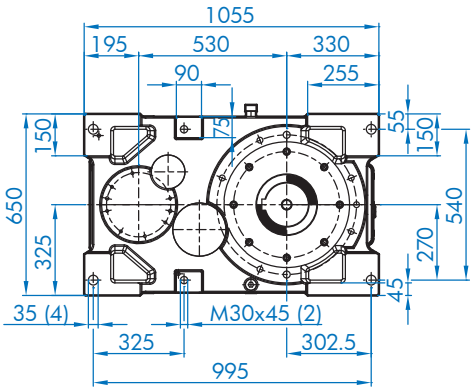
SK 9207/9307 A

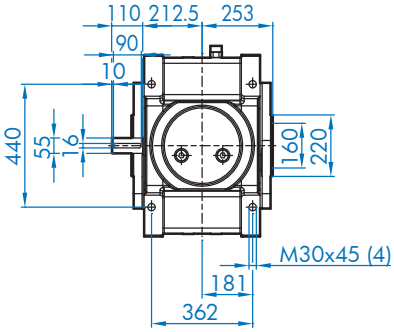




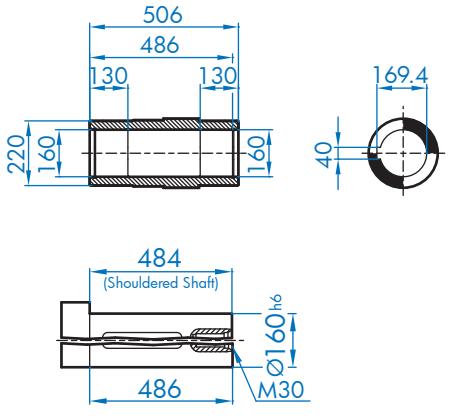






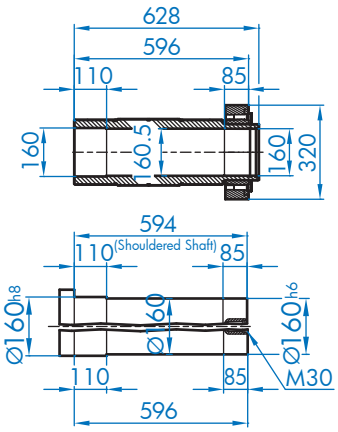


SK 9207/9307 A

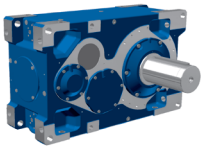


customer shaft recommendation

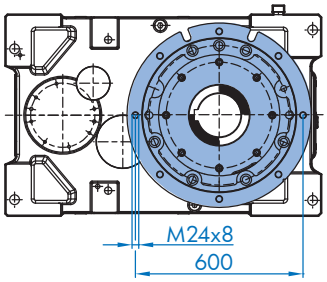
SK 9207/9307 AS

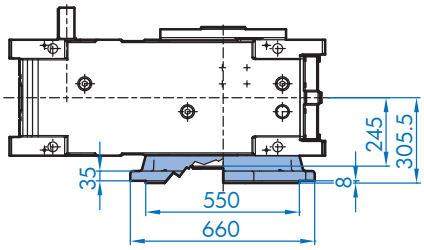


customer shaft recommendation

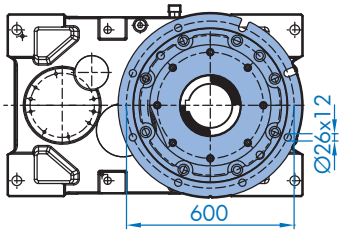


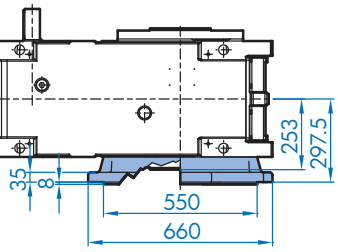
SK 9207/9307 AF



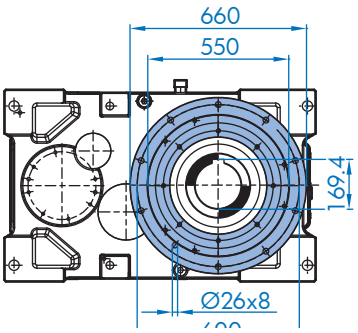


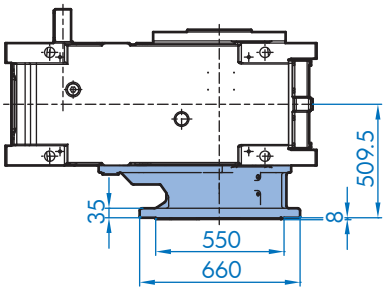
SK 9207/9307 AFK



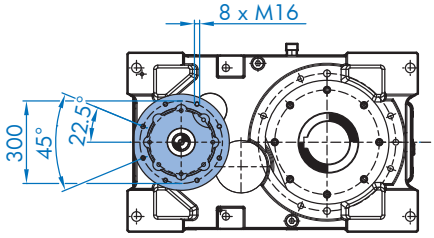


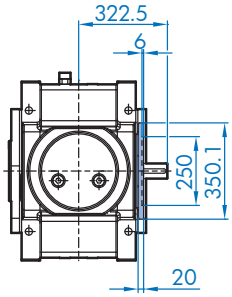
SK 9207/9307 VL2/VL3/VL4



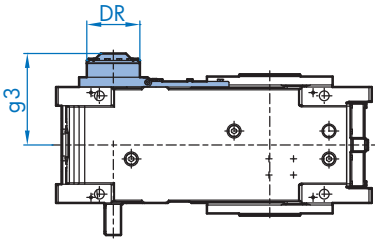


SK 9207/9307 F1 - Input Flange



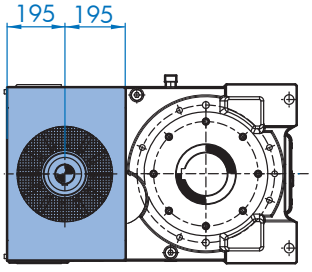


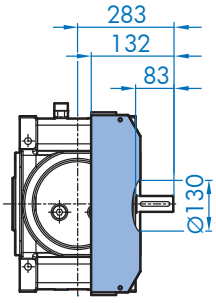
SK 9207/9307 R - Backstop

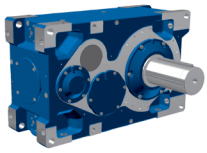


R	i_N	DR	g3
SK9207	7.1-25	210	329.5
SK9307	28-355	190	326.5

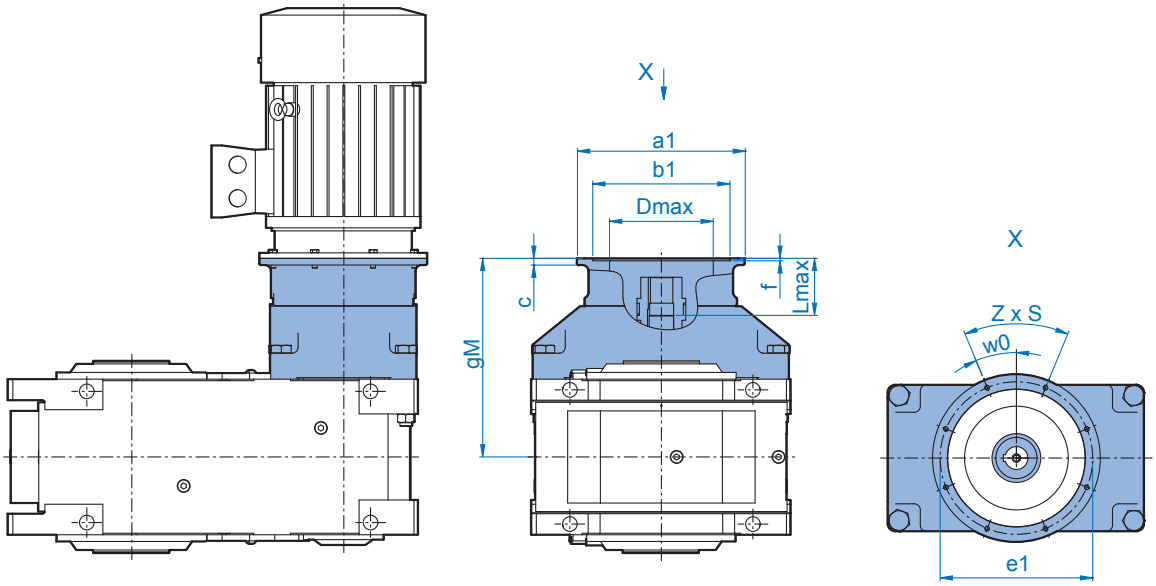
SK 9207/9307 FAN







SK 9207 - SK 9307



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
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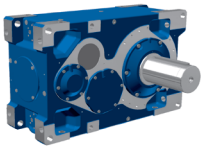
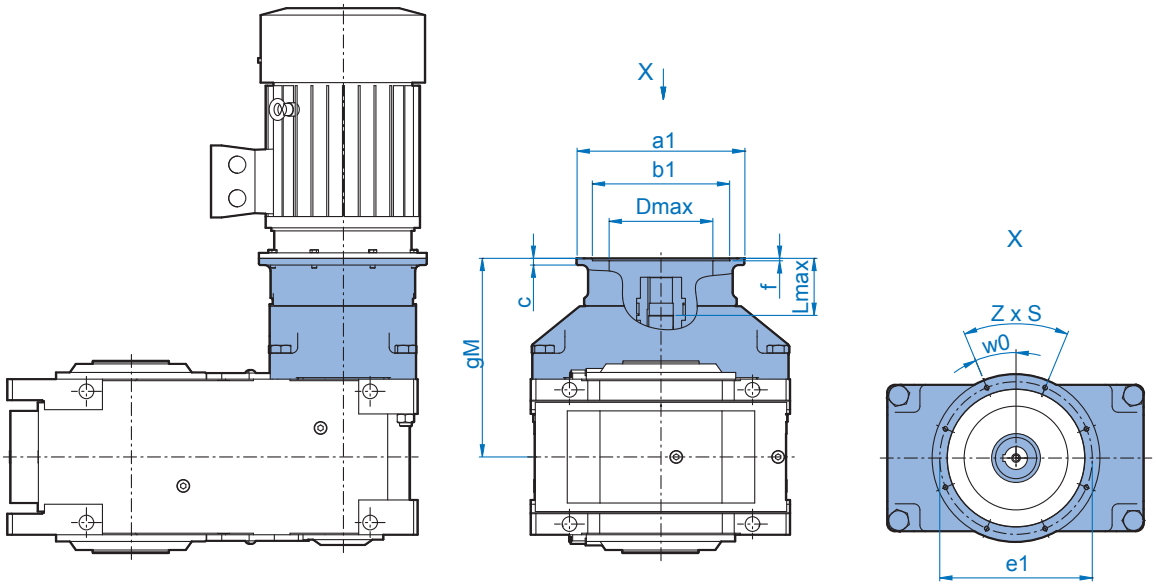
		112	421.5	250	180	215	11	4	4 x 14.5	0	160	99
		132	441.5	300	230	265	12	4	4 x 14.5	0	210	119
		160	471.5	350	250	300	15	6.5	4 x 17.5	45	220	149
		180	471.5	350	250	300	15	6.5	4 x 17.5	45	220	149
		200	471.5	400	300	350	17	6.5	4 x 17.5	45	250	149
		225	501.5	450	350	400	18	6.5	8 x 17.5	22.5	250	179
		250	501.5	550	450	500	22	8	8 x M16	22.5	250	179
		280	501.5	550	450	500	22	8	8 x M16	22.5	250	179
		315	531.5	660	550	600	22	8	8 x 22	22.5	250	209
	TN [2]	315	531.5	800	680	740	25	8	8 x 22	22.5	250	209
		355	531.5	900	780	840	25	8	8 x 22	22.5	250	209
SK 9307	IEC	100	421.5	250	180	215	11	4	4 x 14.5	0	160	99
		112	421.5	250	180	215	11	4	4 x 14.5	0	160	99
		132	441.5	300	230	265	12	4	4 x 14.5	0	210	119
		160	471.5	350	250	300	15	6.5	4 x 17.5	45	220	149
		180	471.5	350	250	300	15	6.5	4 x 17.5	45	220	149
		200	471.5	400	300	350	17	6.5	4 x 17.5	45	250	149
		225	501.5	450	350	400	18	6.5	8 x 17.5	22.5	250	179
		250	501.5	550	450	500	22	8	8 x M16	22.5	250	179
		280	501.5	550	450	500	22	8	8 x M16	22.5	250	179
		315	531.5	660	550	600	22	8	8 x 22	22.5	250	209
	TN [2]	315	531.5	800	680	740	25	8	8 x 22	22.5	250	209
		355	531.5	900	780	840	25	8	8 x 22	22.5	250	209

[1] Type designation and dimensions up to 200kW correspond to NORD motors

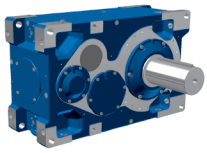
[2] Data for Transnorm motors available on request



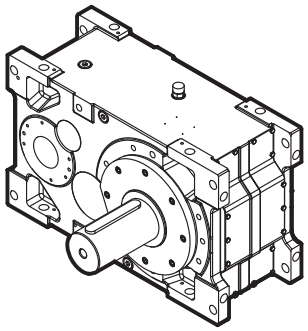
SK 9207 - SK 9307

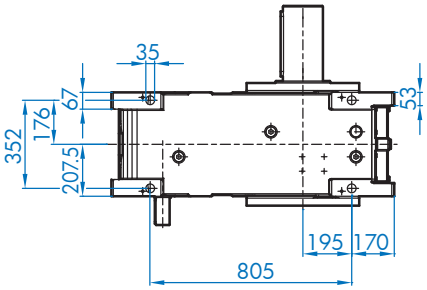


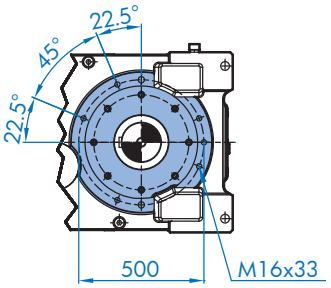
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 9207	NEMA	254/256 TC	494.5	350	215.9	184.15	38	4	4 x 1/2-13	45	220	172
		284/286 TC	494.5	350	266.7	228.6	38	4	4 x 1/2-13	45	220	172
		324/326 TC	505.5	400	317.5	279.4	51	4	4 x 5/8-11	45	265	183
		364/365 TC	535.5	450	317.5	279.4	52	4	4 x 5/8-11	45	280	213
		404/405 TC	549.5	550	317.5	279.4	70	6	4 x 5/8-11	45	330	227
		444/445 TC	581.5	550	406.4	355.6	102	6	4 x 5/8-11	45	330	259
		447/449 TC	576.5	660	406.4	355.6	67	6	4 x 5/8-11	45	330	254
SK 9307	NEMA	254/256 TC	494.5	350	215.9	184.15	38	4	4 x 1/2-13	45	220	172
		284/286 TC	494.5	350	266.7	228.6	38	4	4 x 1/2-13	45	220	172
		324/326 TC	505.5	400	317.5	279.4	51	4	4 x 5/8-11	45	265	183
		364/365 TC	535.5	450	317.5	279.4	52	4	4 x 5/8-11	45	280	213
		404/405 TC	549.5	550	317.5	279.4	70	6	4 x 5/8-11	45	330	227
		444/445 TC	581.5	550	406.4	355.6	102	6	4 x 5/8-11	45	330	259
		447/449 TC	576.5	660	406.4	355.6	67	6	4 x 5/8-11	45	330	254

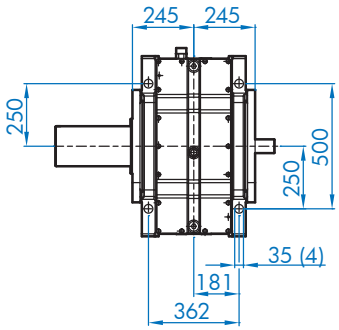


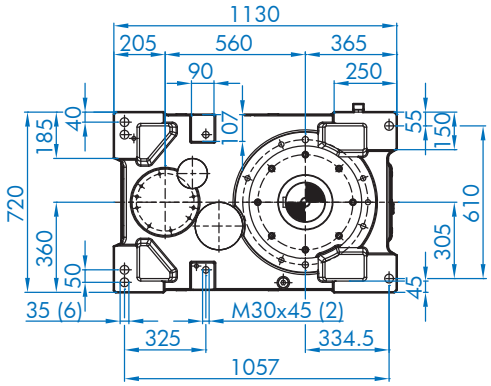
SK 10207/10307 V

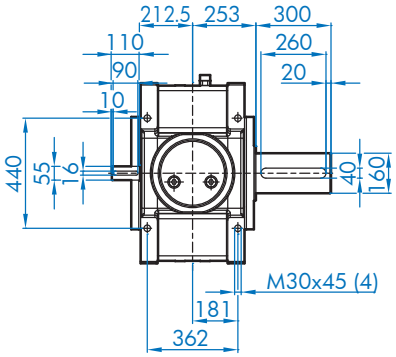




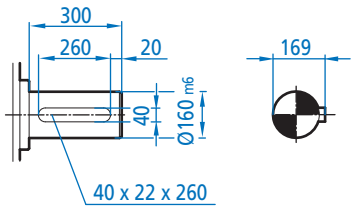




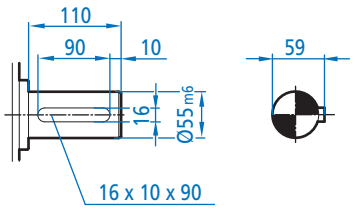


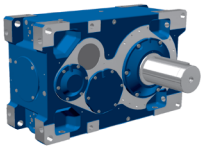


SK 10207/10307 V - Output Shaft Detail



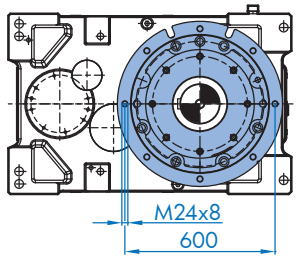
SK 10207/10307 V - Input Shaft Detail

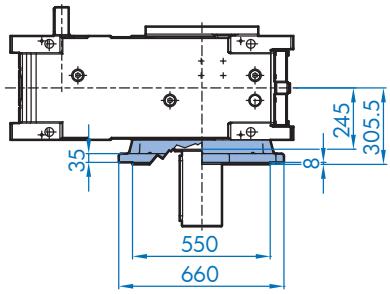




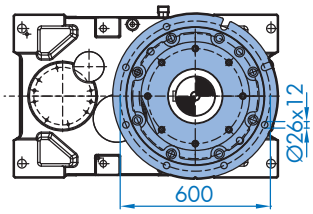
Parallel Drives
SK 10207 VF / SK 10307 VF

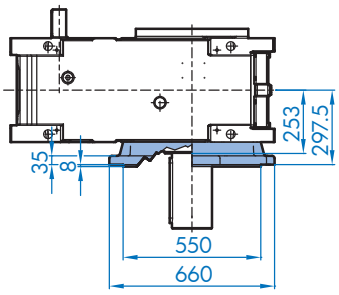
SK 10207/10307 VF



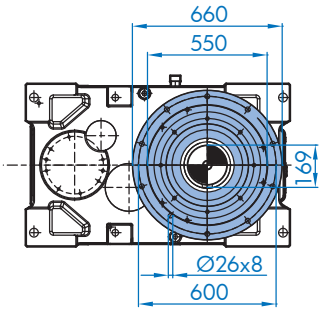


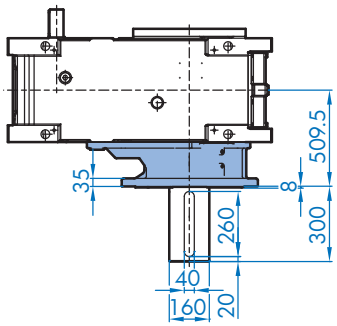
SK 10207/10307 VFK



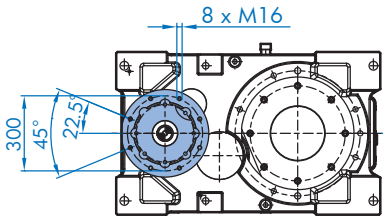


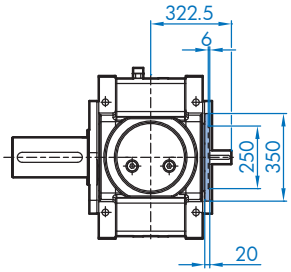
SK 10207/10307 VL2/VL3/VL4



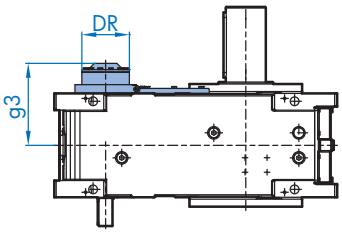


SK 10207/10307 F1 - Input Flange



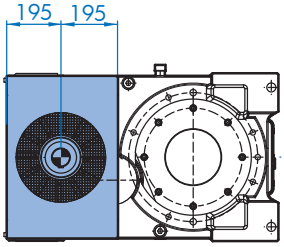


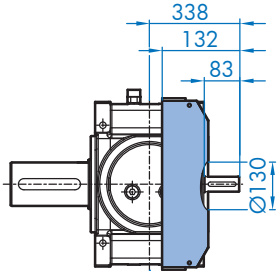
SK 10207/10307 R - Backstop

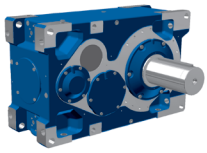


R	i_N	DR	g3
SK10207	8-28	210	329.5
SK10307	28-280	190	326.5

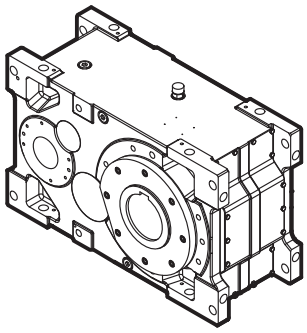
SK 10207/10307 FAN

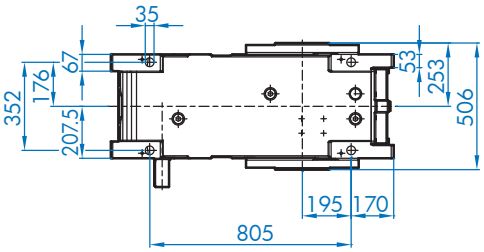


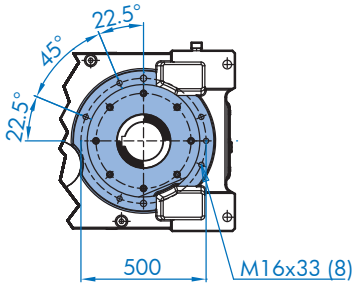


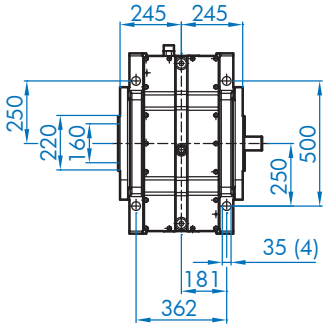


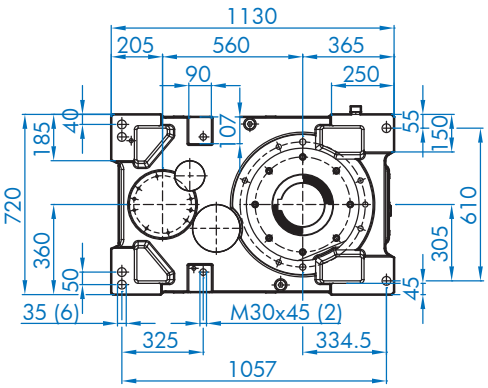
SK 10207/10307 A

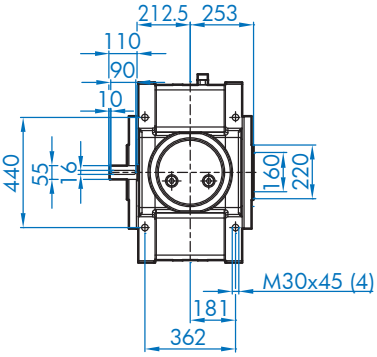




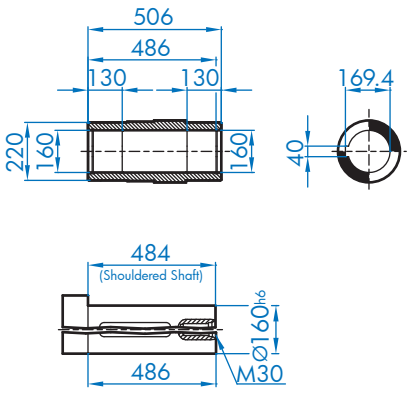






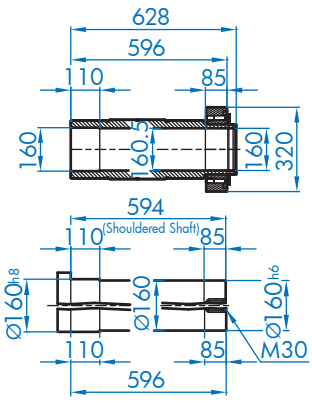


SK 10207/10307 A

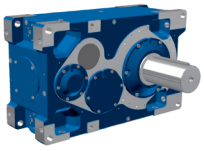


customer shaft recommendation

SK 10207/10307 AS

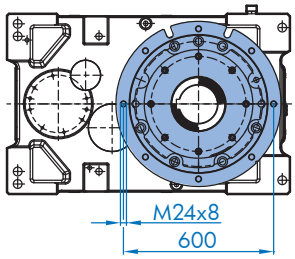


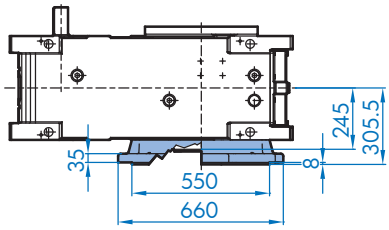
customer shaft recommendation



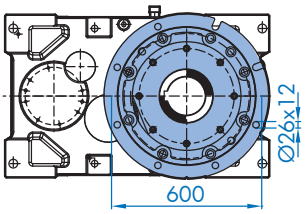
Parallel Drives
SK 10207 AF / SK 10307 AF

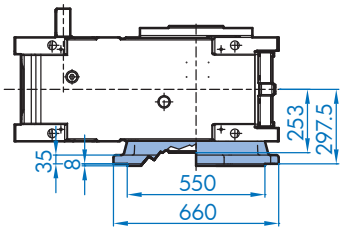
SK 10207/10307 AF



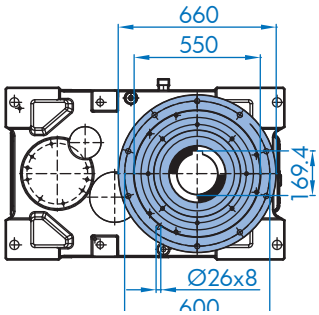


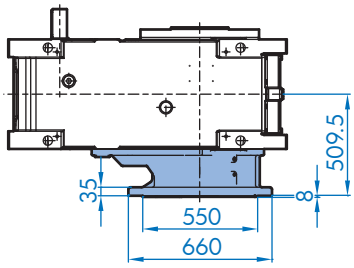
SK 10207/10307 AFK



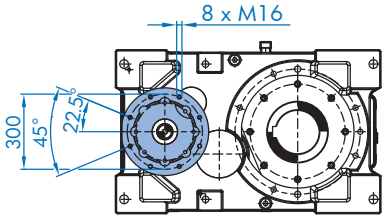


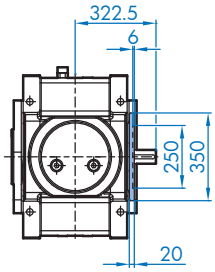
SK 10207/10307 VL2/VL3/VL4



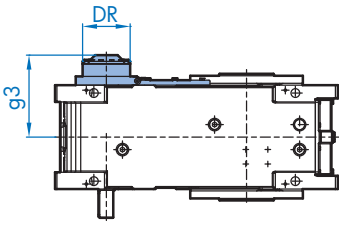


SK 10207/10307 F1 - Input Flange



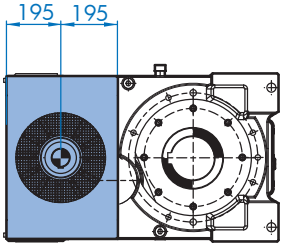


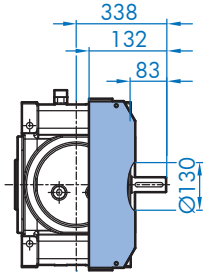
SK 10207/10307 R - Backstop

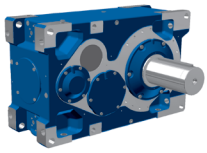


R	i_N	DR	g3
SK10207	8-28	210	329.5
SK10307	28-280	190	326.5

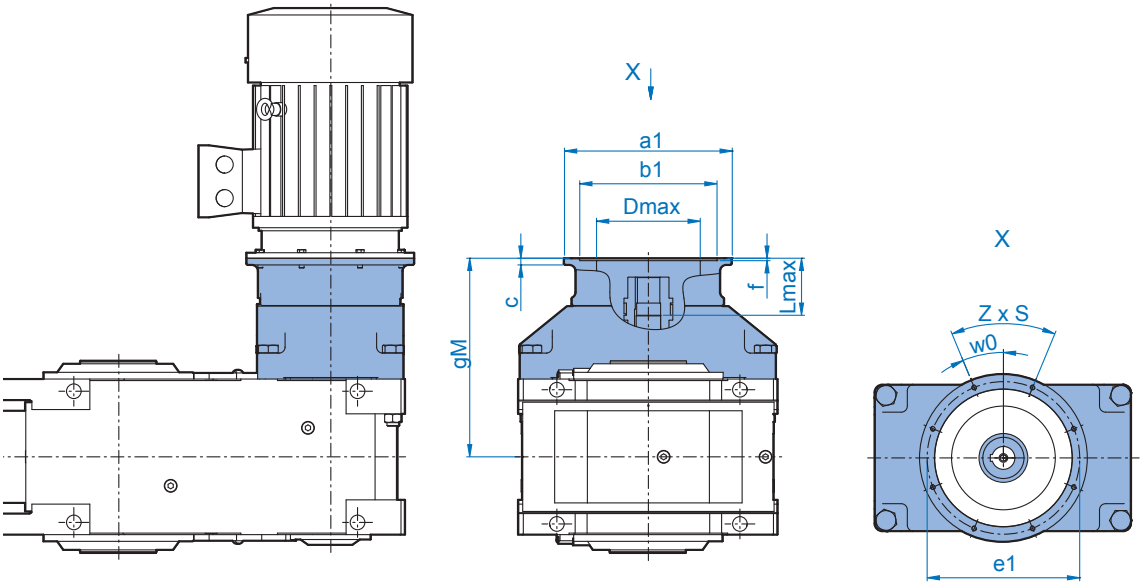
SK 10207/10307 FAN







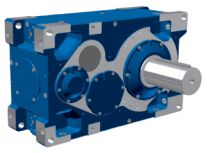
SK 10207 - SK 10307



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 10207	IEC	100	421.5	250	180	215	11	4	4 x 14.5	0	160	99
		112	421.5	250	180	215	11	4	4 x 14.5	0	160	99
		132	441.5	300	230	265	12	4	4 x 14.5	0	210	119
		160	471.5	350	250	300	15	6.5	4 x 17.5	45	220	149
		180	471.5	350	250	300	15	6.5	4 x 17.5	45	220	149
		200	471.5	400	300	350	17	6.5	4 x 17.5	45	250	149
		225	501.5	450	350	400	18	6.5	8 x 17.5	22.5	250	179
		250	501.5	550	450	500	22	8	8 x M16	22.5	250	179
		280	501.5	550	450	500	22	8	8 x M16	22.5	250	179
		315	531.5	660	550	600	22	8	8 x 22	22.5	250	209
	TN [2]	315	531.5	800	680	740	25	8	8 x 22	22.5	250	209
		355	531.5	900	780	840	25	8	8 x 22	22.5	250	209
SK 10307	IEC	100	421.5	250	180	215	11	4	4 x 14.5	0	160	99
		112	421.5	250	180	215	11	4	4 x 14.5	0	160	99
		132	441.5	300	230	265	12	4	4 x 14.5	0	210	119
		160	471.5	350	250	300	15	6.5	4 x 17.5	45	220	149
		180	471.5	350	250	300	15	6.5	4 x 17.5	45	220	149
		200	471.5	400	300	350	17	6.5	4 x 17.5	45	250	149
		225	501.5	450	350	400	18	6.5	8 x 17.5	22.5	250	179
		250	501.5	550	450	500	22	8	8 x M16	22.5	250	179
		280	501.5	550	450	500	22	8	8 x M16	22.5	250	179
		315	531.5	660	550	600	22	8	8 x 22	22.5	250	209
	TN [2]	315	531.5	800	680	740	25	8	8 x 22	22.5	250	209
		355	531.5	900	780	840	25	8	8 x 22	22.5	250	209

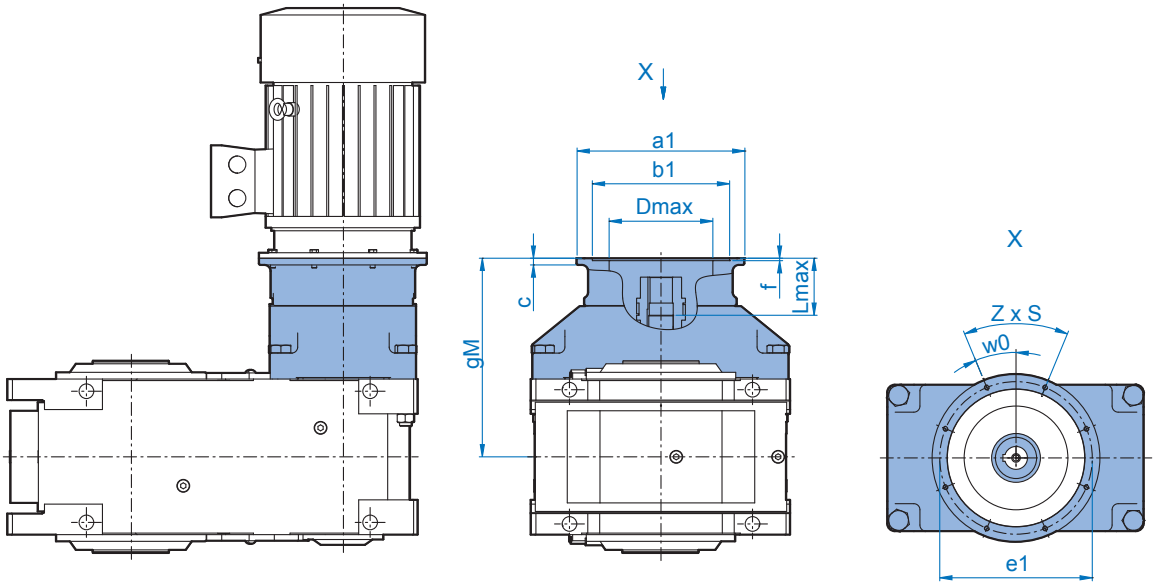
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request

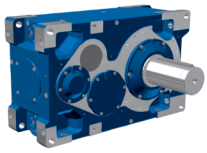


Parallel Drives
SK 10207 / 10307 (NEMA)

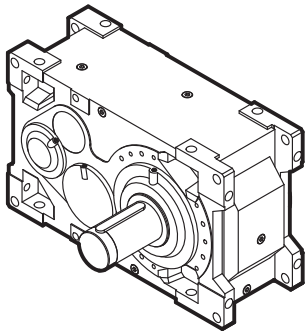
SK 10207 - SK 10307

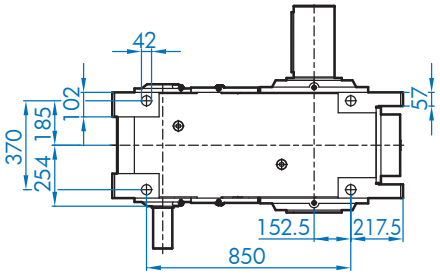


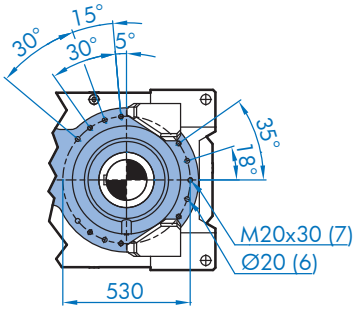
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 10207	NEMA	254/256 TC	494.5	350	215.9	184.15	38	4	4 x 1/2-13	45	220	172
		284/286 TC	494.5	350	266.7	228.6	38	4	4 x 1/2-13	45	220	172
		324/326 TC	505.5	400	317.5	279.4	51	4	4 x 5/8-11	45	265	183
		364/365 TC	535.5	450	317.5	279.4	52	4	4 x 5/8-11	45	280	213
		404/405 TC	549.5	550	317.5	279.4	70	6	4 x 5/8-11	45	330	227
		444/445 TC	581.5	550	406.4	355.6	102	6	4 x 5/8-11	45	330	259
		447/449 TC	576.5	660	406.4	355.6	67	6	4 x 5/8-11	45	330	254
SK 10307	NEMA	254/256 TC	494.5	350	215.9	184.15	38	4	4 x 1/2-13	45	220	172
		284/286 TC	494.5	350	266.7	228.6	38	4	4 x 1/2-13	45	220	172
		324/326 TC	505.5	400	317.5	279.4	51	4	4 x 5/8-11	45	265	183
		364/365 TC	535.5	450	317.5	279.4	52	4	4 x 5/8-11	45	280	213
		404/405 TC	549.5	550	317.5	279.4	70	6	4 x 5/8-11	45	330	227
		444/445 TC	581.5	550	406.4	355.6	102	6	4 x 5/8-11	45	330	259
		447/449 TC	576.5	660	406.4	355.6	67	6	4 x 5/8-11	45	330	254

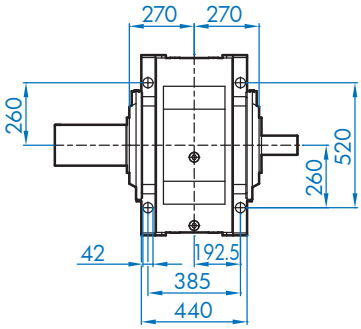


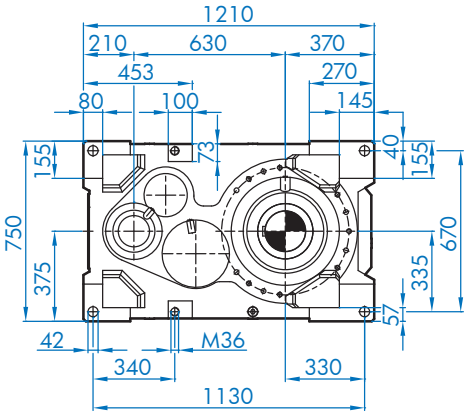
SK 11207/11307 V

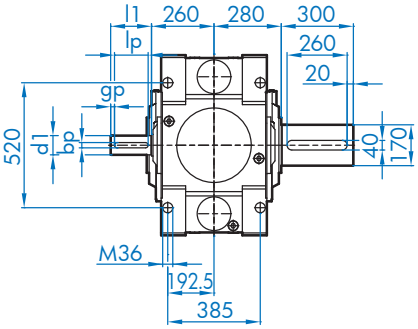




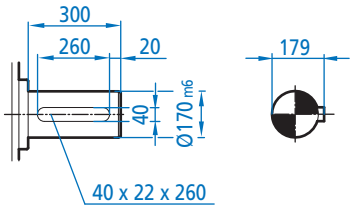




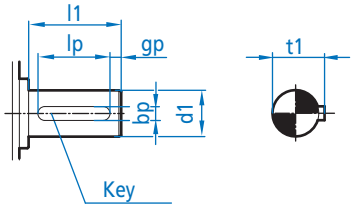




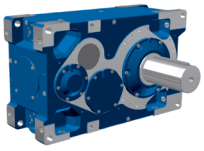
SK 11207/11307 V - Output Shaft Detail



SK 11207/11307 V - Input Shaft Detail

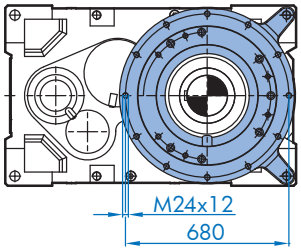


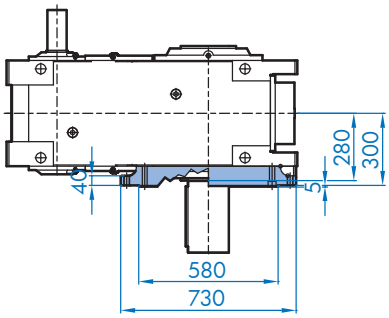
Input Shaft	Ød1	t1	l1	lp	bp	gp	key
SK 11207	80	85	170	140	22	15	22 x 14 x 140
SK 11307	70	74.5	140	125	20	7.5	20 x 12 x 125



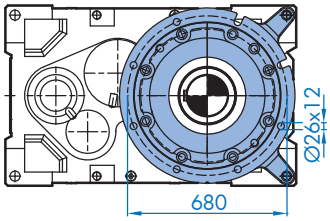
Parallel Drives
SK 11207 VF / SK 11307 VF

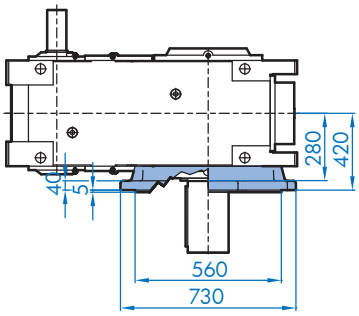
SK 11207/11307 VF



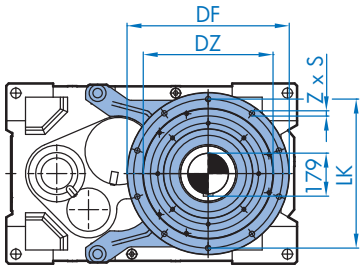


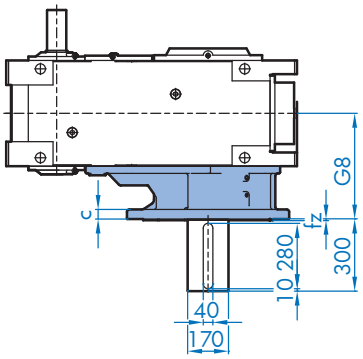
SK 11207/11307 VFK





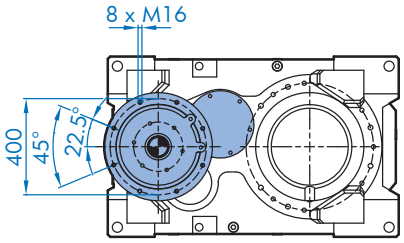
SK 11207/11307 VL2/VL3/VL4

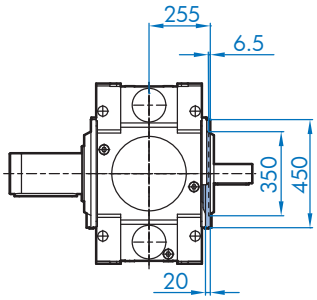




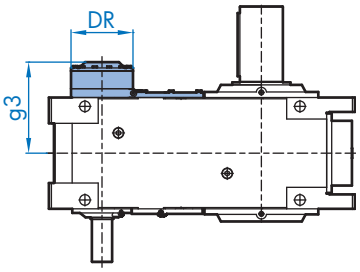
VL2/VL3	G8	DF	DZ	LK	fz	c	z	s
SK11..07	440	675	540	600	5	40	10	22
	455	760	600	620	5	50	12	22

SK 11207/11307 F1 - Input Flange



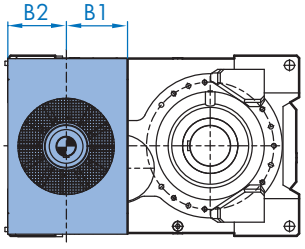


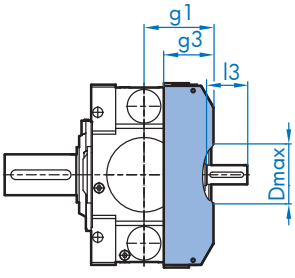
SK 11207/11307 R - Backstop



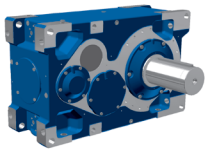
R	i_N	DR	g3
SK11207	5.6-20	245	360
SK11307	22.4-28	210	350
SK11307	31.5-112	190	340

SK 11207/11307 FAN

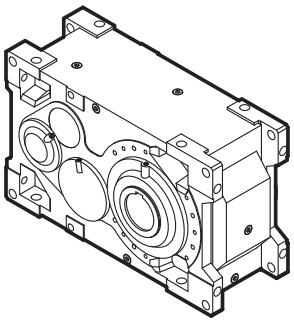


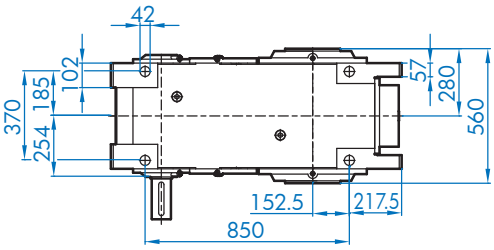


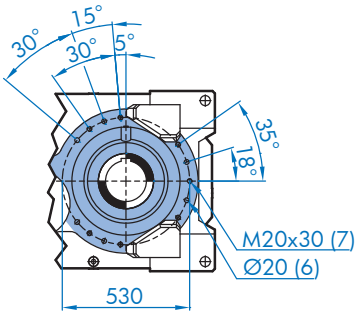
FAN	i_N	B1	B2	g1	g3	l3	Dmax
SK11207	5.6-20	390	252	307	189	133	Ø160
SK11307	22.4-112	390	252	307	189	103	Ø160

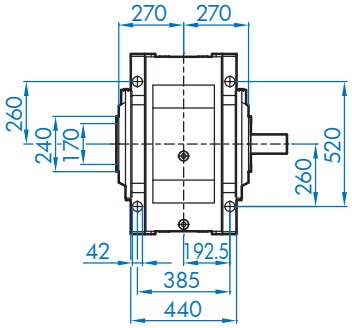


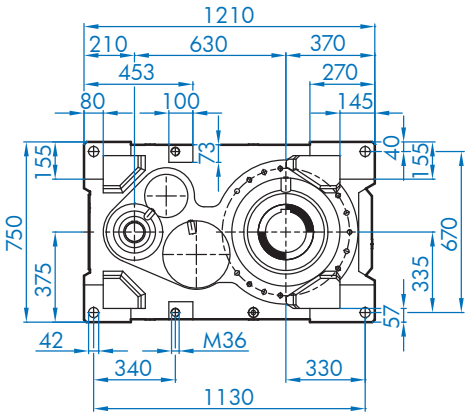
SK 11207/11307 A

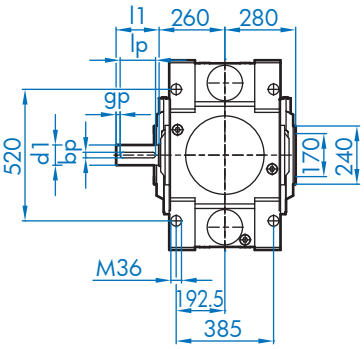






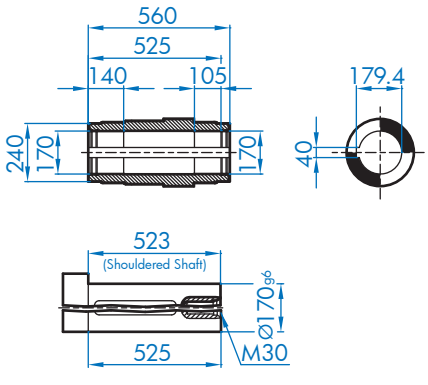






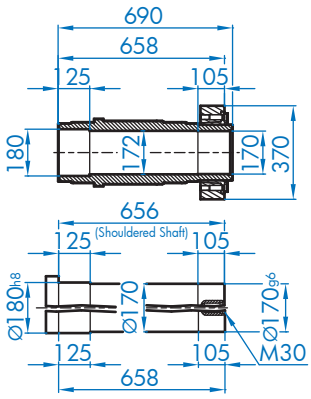
Input Shaft	Ød1	l1	lp	bp	gp	key
SK 11207	80	170	140	22	15	22 x 14 x 140
SK 11307	70	140	125	20	7.5	20 x 12 x 125

SK 11207/11307 A



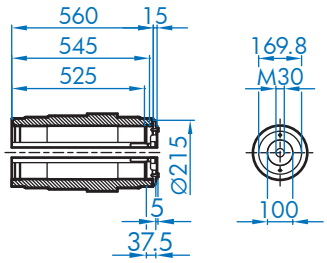
customer shaft recommendation

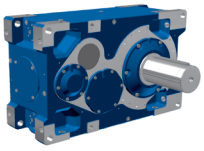
SK 11207/11307 AS



customer shaft recommendation

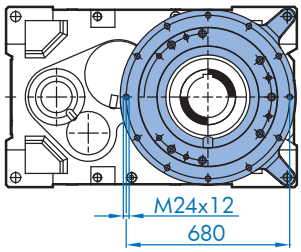
SK 11207/11307 - AB

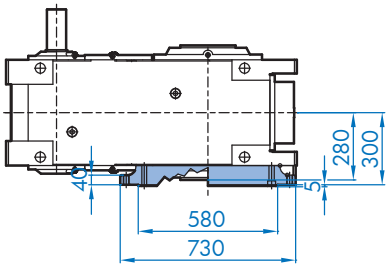




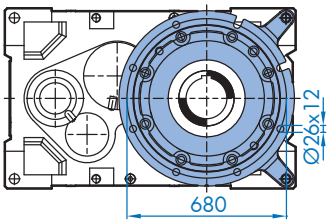
Parallel Drives
SK 11207 AF / SK 11307 AF

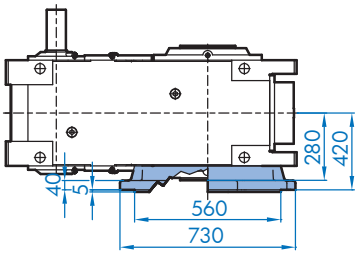
SK 11207/11307 AF



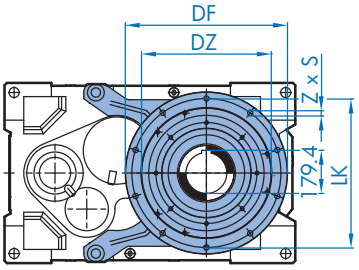


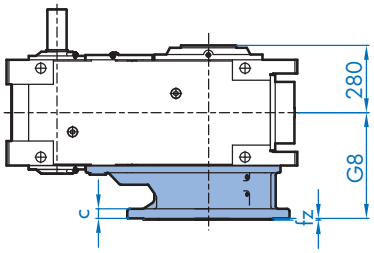
SK 11207/11307 AFK





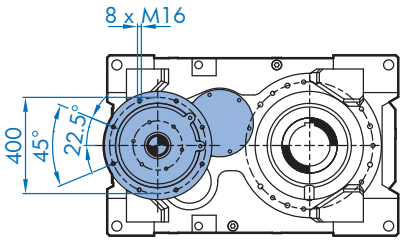
SK 11207/11307 VL2/VL3/VL4

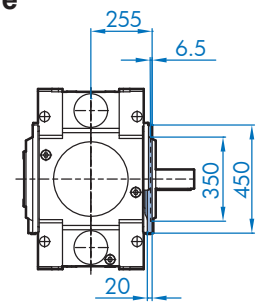




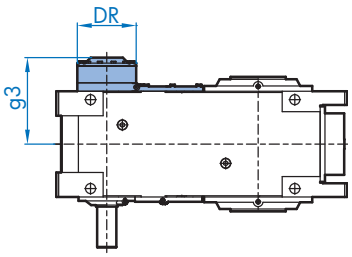
VL2/VL3	G8	DF	DZ	LK	fz	c	z	s
SK11..07	440	675	540	600	5	40	10	22
	455	760	600	620	5	50	12	22

SK 11207/11307 F1 - Input Flange



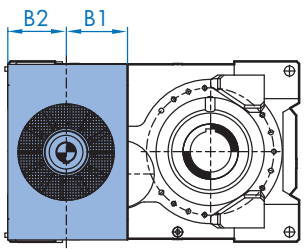


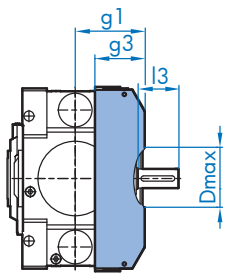
SK 11207/11307 R - Backstop



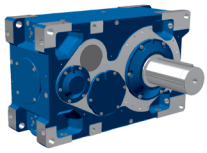
R	i_N	DR	g3
SK11207	5.6-20	245	360
SK11307	22.4-28	210	350
SK11307	31.5-112	190	340

SK 11207/11307 FAN

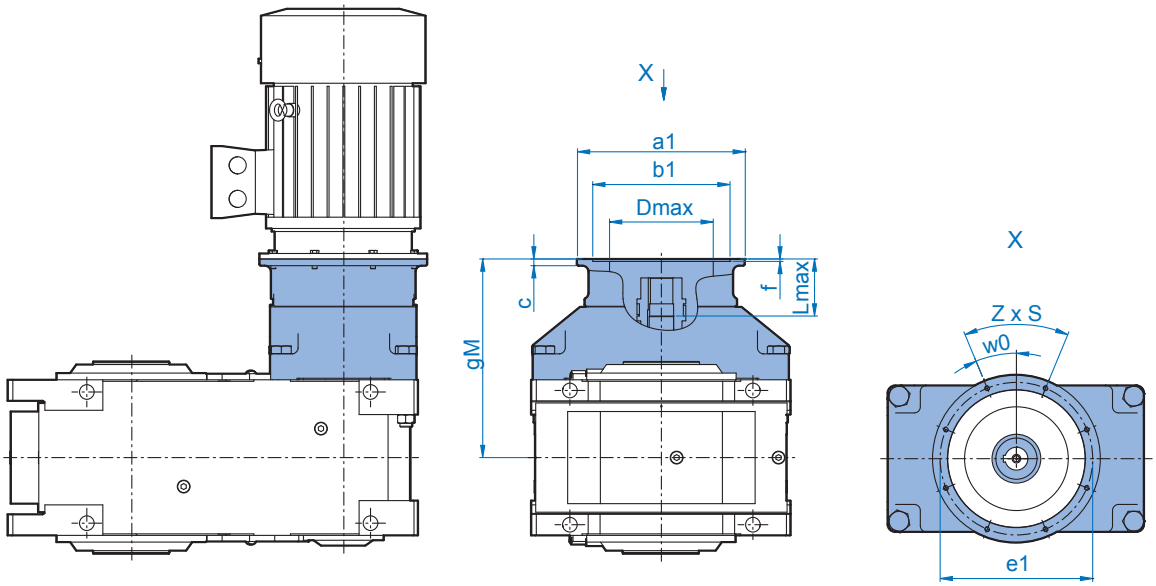




FAN	i_N	B1	B2	g1	g3	l3	Dmax
SK11207	5.6-20	390	252	307	189	133	Ø160
SK11307	22.4-112	390	252	307	189	103	Ø160



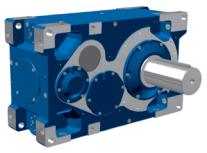
SK 11207 - SK 11307



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 11207	IEC	160	545	350	250	300	15	6.5	4 x 17.5	45	228	115
		180	545	350	250	300	15	6.5	4 x 17.5	45	228	115
		200	545	400	300	350	17	6.5	4 x 17.5	45	276	115
		225	575	450	350	400	18	6.5	8 x 17.5	22.5	290	145
		250	575	550	450	500	22	8	8 x M16	22.5	340	145
		280	575	550	450	500	22	8	8 x M16	22.5	340	145
		315	605	660	550	600	22	8	8 x 22	22.5	340	175
	TN [2]	315T	605	800	680	740	25	8	8 x 22	22.5	340	175
		355T	605	900	780	840	25	8	8 x 22	22.5	340	175
SK 11307	IEC	160	545	350	250	300	15	6.5	4 x 17.5	45	228	145
		180	545	350	250	300	15	6.5	4 x 17.5	45	228	145
		200	545	400	300	350	17	6.5	4 x 17.5	45	276	145
		225	575	450	350	400	18	6.5	8 x 17.5	22.5	290	175
		250	575	550	450	500	22	8	8 x M16	22.5	340	175
		280	575	550	450	500	22	8	8 x M16	22.5	340	175
		315	605	660	550	600	22	8	8 x 22	22.5	340	205
	TN [2]	315T	605	800	680	740	25	8	8 x 22	22.5	340	205
		355T	605	900	780	840	25	8	8 x 22	22.5	340	205

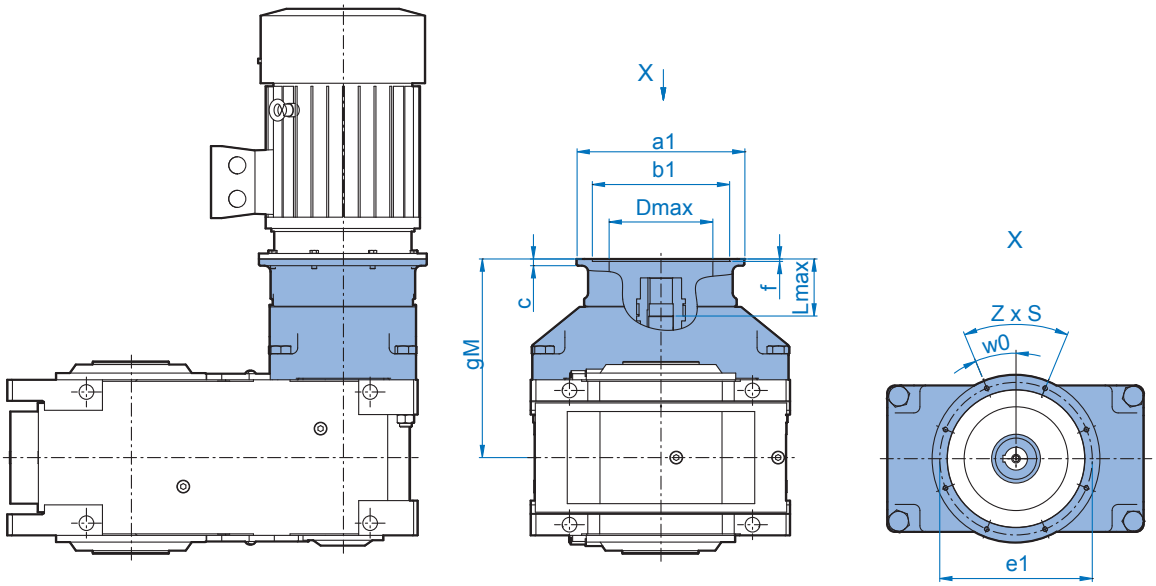
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request

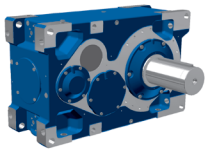


Parallel Drives
SK 11207 / 11307 (NEMA)

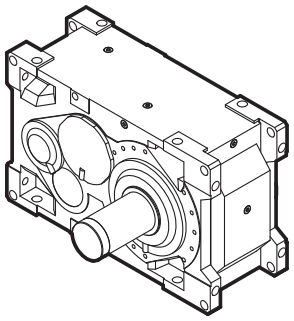
SK 11207 - SK 11307

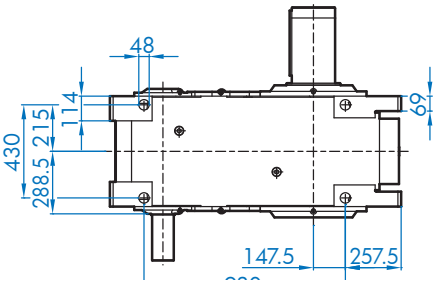


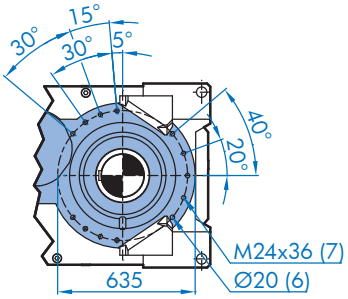
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 11207	NEMA	254/256 TC	568	350	215.9	184.15	38	4	4 x 1/2-13	45	220	138
		284/286 TC	568	350	266.7	228.6	38	4	4 x 1/2-13	45	220	138
		324/326 TC	579	400	317.5	279.4	51	4	4 x 5/8-11	45	265	149
		364/365 TC	609	450	317.5	279.4	52	4	4 x 5/8-11	45	280	179
		404/405 TC	623	550	317.5	279.4	70	6	4 x 5/8-11	45	330	193
		444/445 TC	655	550	406.4	355.6	102	6	4 x 5/8-11	45	330	225
		447/449 TC	650	660	406.4	355.6	67	6	4 x 5/8-11	45	330	220
SK 11307	NEMA	254/256 TC	568	350	215.9	184.15	38	4	4 x 1/2-13	45	220	168
		284/286 TC	568	350	266.7	228.6	38	4	4 x 1/2-13	45	220	168
		324/326 TC	579	400	317.5	279.4	51	4	4 x 5/8-11	45	265	179
		364/365 TC	609	450	317.5	279.4	52	4	4 x 5/8-11	45	280	209
		404/405 TC	623	550	317.5	279.4	70	6	4 x 5/8-11	45	330	223
		444/445 TC	655	550	406.4	355.6	102	6	4 x 5/8-11	45	330	255
		447/449 TC	650	660	406.4	355.6	67	6	4 x 5/8-11	45	330	250

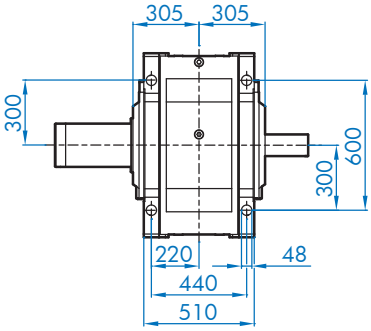


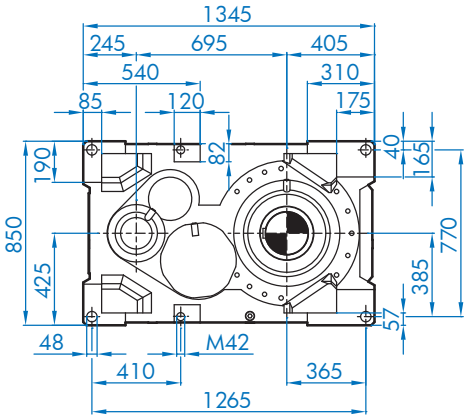
SK 12207/12307 V

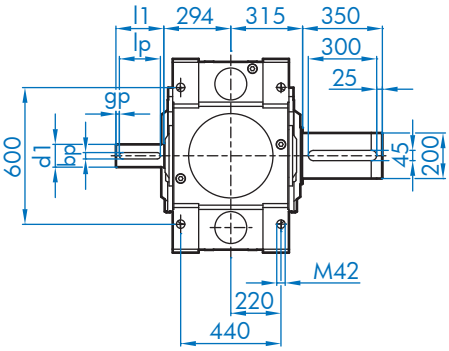




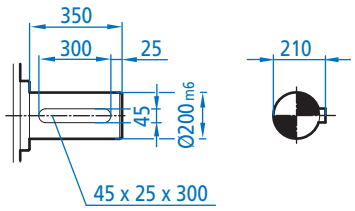




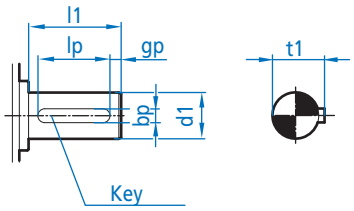




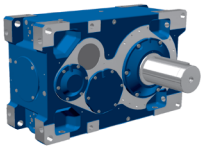
SK 12207/12307 V - Output Shaft Detail



SK 12207/12307 V - Input Shaft Detail

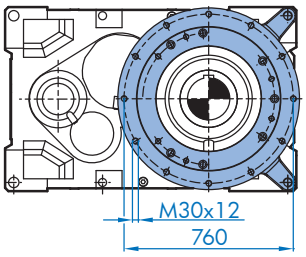


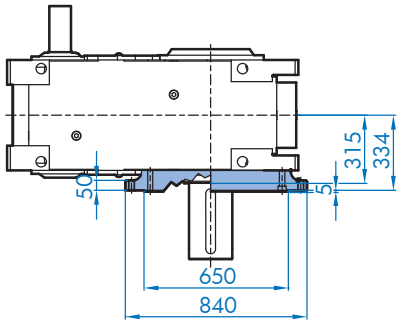
Input Shaft	Ød1	t1	l1	lp	bp	gp	key
SK 12207	100	106	210	180	28	15	28 x 16 x 180
SK 12307	80	85	170	140	22	15	22 x 14 x 140



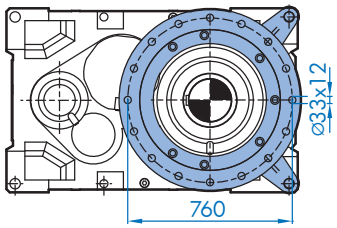
Parallel Drives
SK 12207 VF / SK 12307 VF

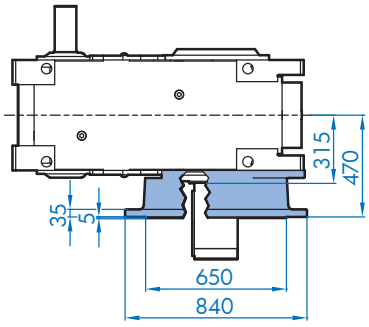
SK 12207/12307 VF



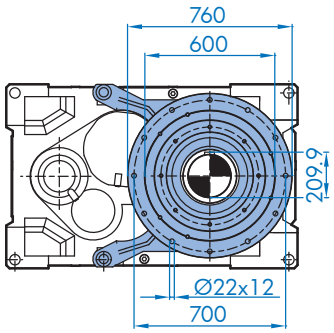


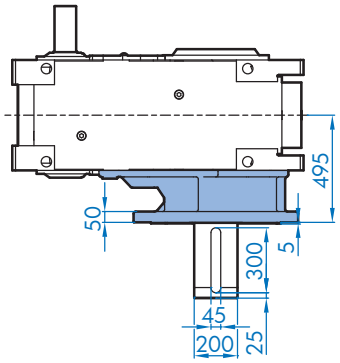
SK 12207/12307 VFK



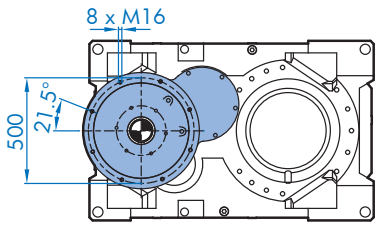


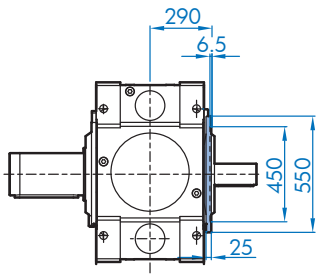
SK 12207/12307 VL2/VL3/VL4



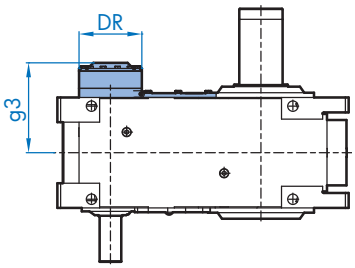


SK 12207/12307 F1 - Input Flange



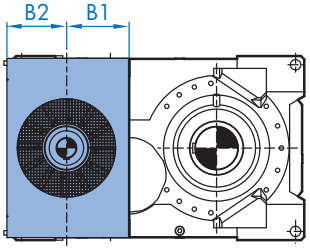


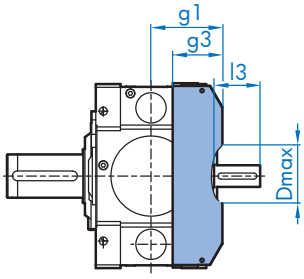
SK 12207/12307 R - Backstop



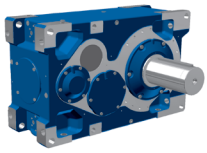
R	i_N	DR	g3
SK12207	5.6-20	290	415
SK12307	22.4-112	210	385

SK 12207/12307 FAN

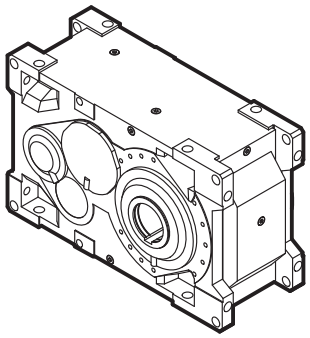


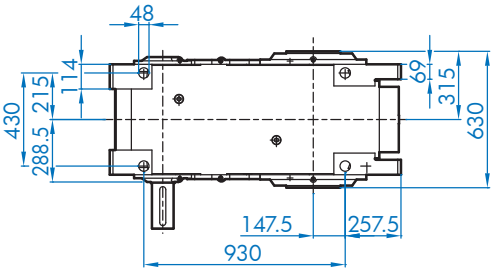


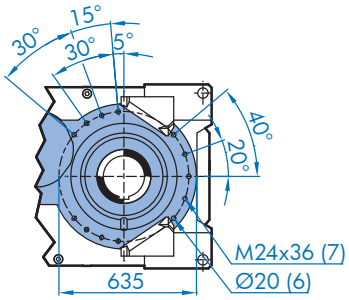
FAN	i_N	B1	B2	g1	g3	l3	Dmax
SK12207	5.6-20	430	287	358	217	158	Ø180
SK12307	22.4-112	430	287	358	217	118	Ø180

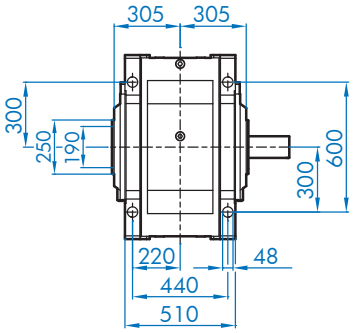


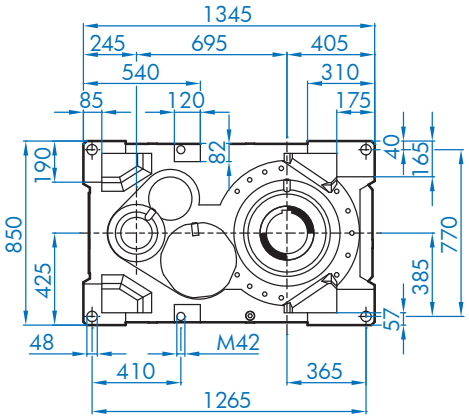
SK 12207/12307 A

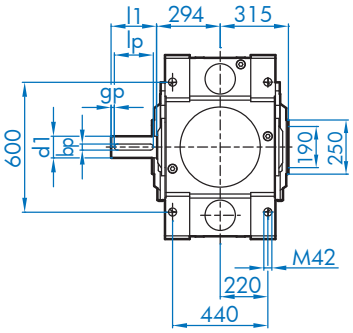






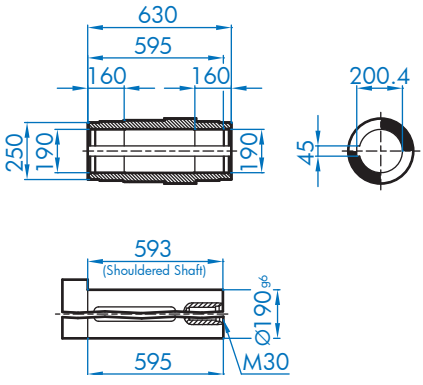






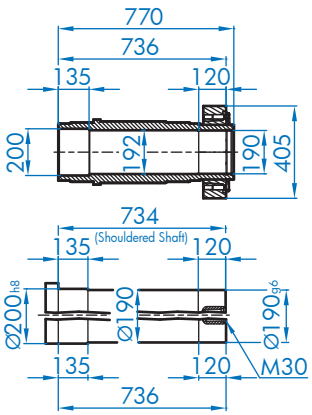
Input Shaft	Ød1	l1	lp	bp	gp	key
SK 12207	100	210	180	28	15	28 x 16 x 180
SK 12307	80	170	140	22	15	22 x 14 x 140

SK 12207/12307 A



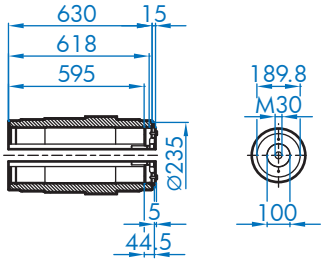
customer shaft recommendation

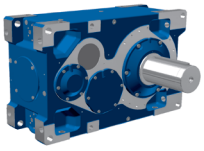
SK 12207/12307 AS



customer shaft recommendation

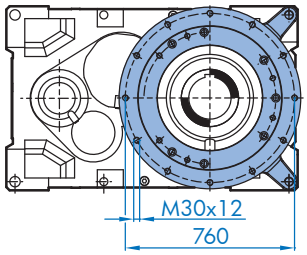
SK 12207/12307 - AB

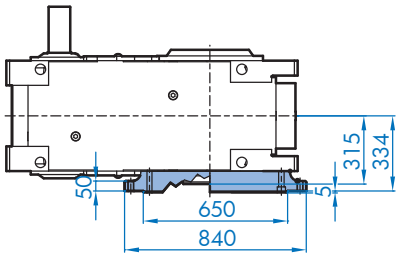




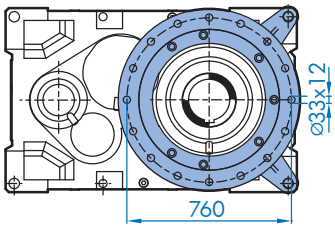
Parallel Drives
SK 12207 AF / SK 12307 AF

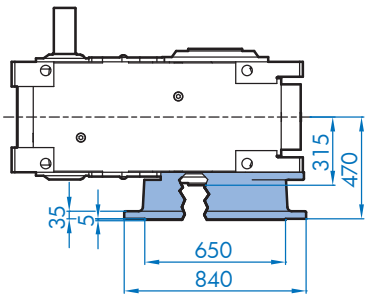
SK 12207/12307 AF



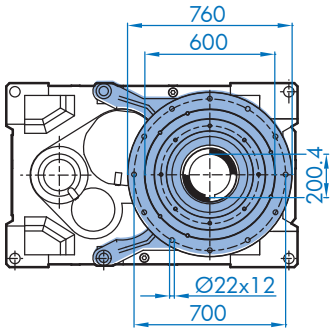


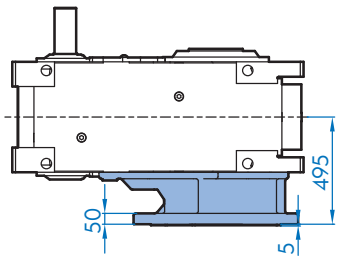
SK 12207/12307 AFK



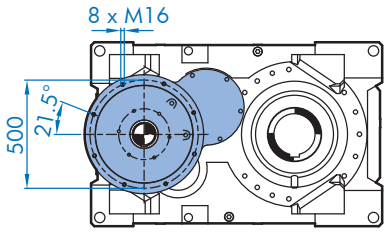


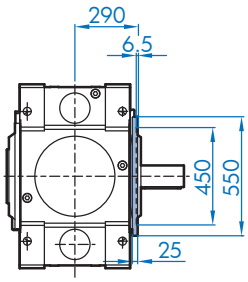
SK 12207/12307 VL2/VL3/VL4



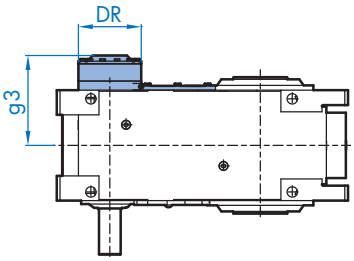


SK 12207/12307 F1 - Input Flange



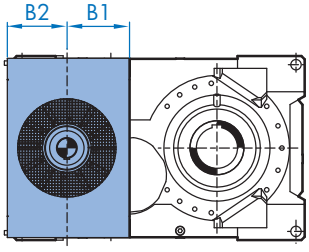


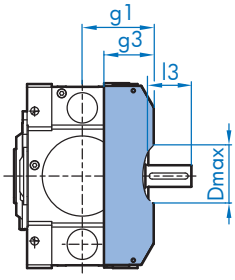
SK 12207/12307 R - Backstop



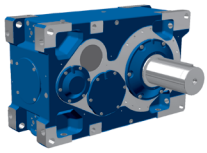
R	i_N	DR	g3
SK12207	5.6-20	290	415
SK12307	22.4-112	210	385

SK 12207/12307 FAN

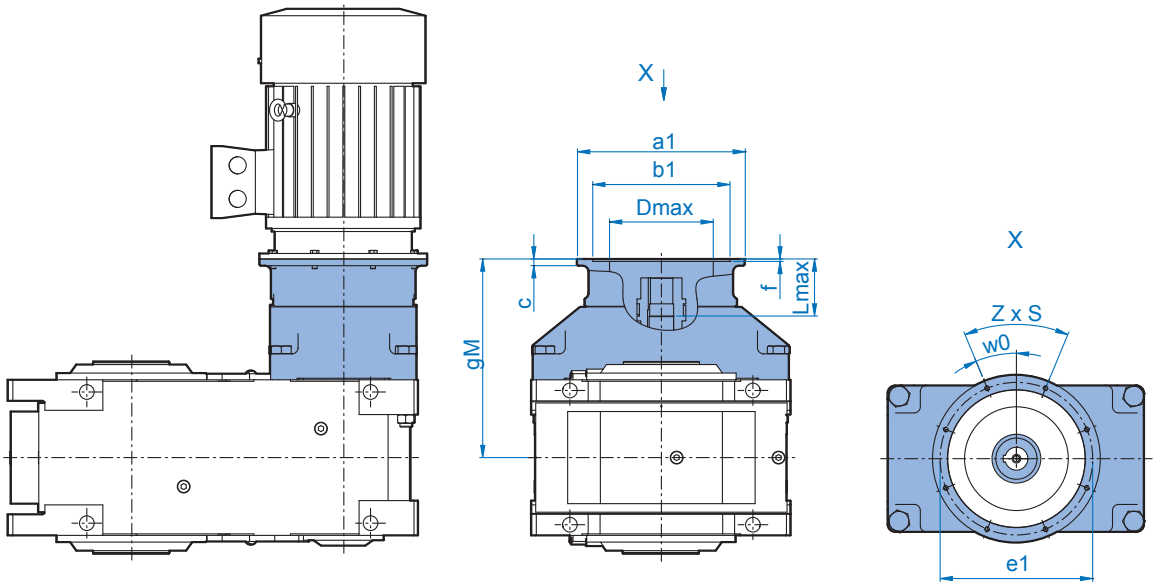




FAN	i_N	B1	B2	g1	g3	l3	Dmax
SK12207	5.6-20	430	287	358	217	158	Ø180
SK12307	22.4-112	430	287	358	217	118	Ø180



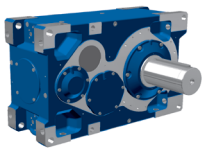
SK 12207 - SK 12307



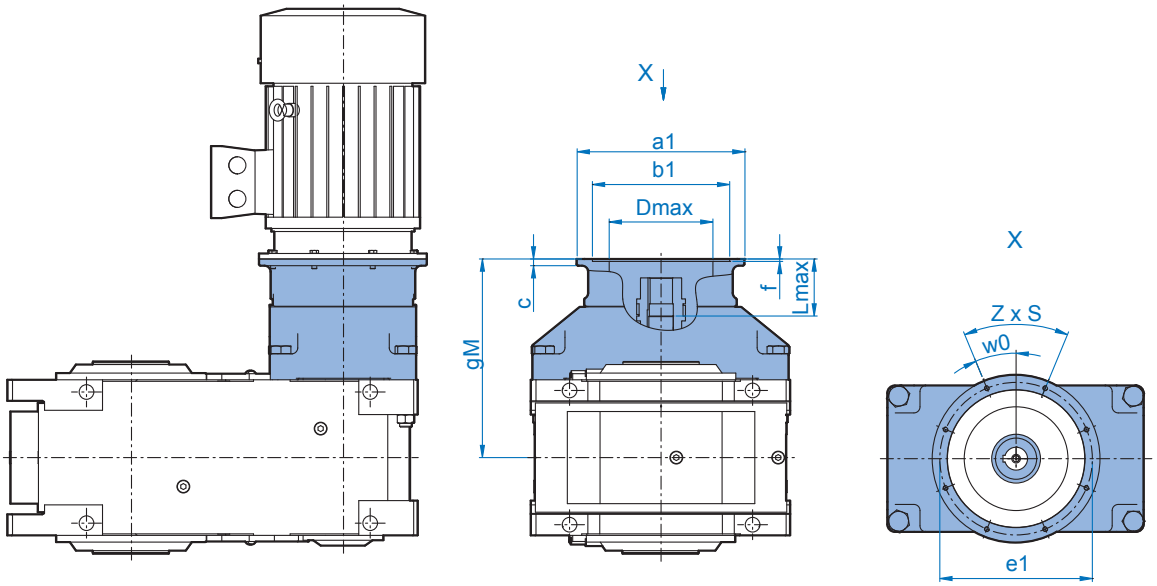
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 12207	IEC	160	621	350	250	300	15	6.5	4 x 17.5	45	228	117
		180	621	350	250	300	15	6.5	4 x 17.5	45	228	117
		200	621	400	300	350	17	6.5	4 x 17.5	45	276	117
		225	651	450	350	400	18	6.5	8 x 17.5	22.5	290	147
		250	651	550	450	500	22	8	8 x M16	22.5	340	147
		280	651	550	450	500	22	8	8 x M16	22.5	340	147
		315	681	660	550	600	22	8	8 x 22	22.5	340	177
	TN [2]	315T	681	800	680	740	25	8	8 x 22	22.5	340	177
		355T	681	900	780	840	25	8	8 x 22	22.5	340	177
SK 12307	IEC	160	621	350	250	300	15	6.5	4 x 17.5	45	228	157
		180	621	350	250	300	15	6.5	4 x 17.5	45	228	157
		200	621	400	300	350	17	6.5	4 x 17.5	45	276	157
		225	651	450	350	400	18	6.5	8 x 17.5	22.5	290	187
		250	651	550	450	500	22	8	8 x M16	22.5	340	187
		280	651	550	450	500	22	8	8 x M16	22.5	340	187
		315	681	660	550	600	22	8	8 x 22	22.5	340	217
	TN [2]	315T	681	800	680	740	25	8	8 x 22	22.5	340	217
		355T	681	900	780	840	25	8	8 x 22	22.5	340	217

[1] Type designation and dimensions up to 200kW correspond to NORD motors

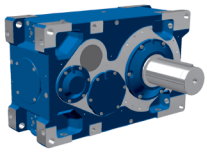
[2] Data for Transnorm motors available on request



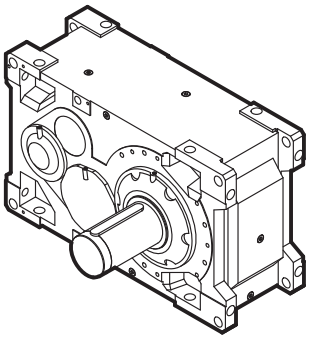
SK 12207 - SK 12307

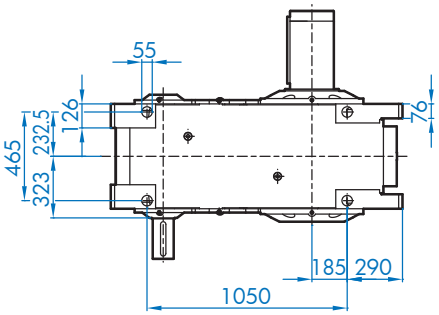


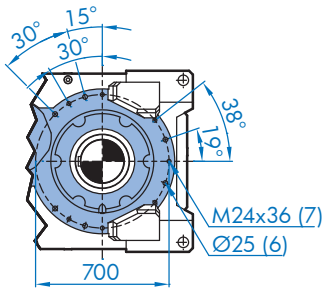
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 12207	NEMA	254/256 TC	644	350	215.9	184.15	38	4	4 x 1/2-13	45	220	140
		284/286 TC	644	350	266.7	228.6	38	4	4 x 1/2-13	45	220	140
		324/326 TC	655	400	317.5	279.4	51	4	4 x 5/8-11	45	265	151
		364/365 TC	685	450	317.5	279.4	52	4	4 x 5/8-11	45	280	181
		404/405 TC	699	550	317.5	279.4	70	6	4 x 5/8-11	45	330	195
		444/445 TC	731	550	406.4	355.6	102	6	4 x 5/8-11	45	330	227
		447/449 TC	726	660	406.4	355.6	67	6	4 x 5/8-11	45	330	222
SK 12307	NEMA	254/256 TC	644	350	215.9	184.15	38	4	4 x 1/2-13	45	220	180
		284/286 TC	644	350	266.7	228.6	38	4	4 x 1/2-13	45	220	180
		324/326 TC	655	400	317.5	279.4	51	4	4 x 5/8-11	45	265	191
		364/365 TC	685	450	317.5	279.4	52	4	4 x 5/8-11	45	280	221
		404/405 TC	699	550	317.5	279.4	70	6	4 x 5/8-11	45	330	235
		444/445 TC	731	550	406.4	355.6	102	6	4 x 5/8-11	45	330	267
		447/449 TC	726	660	406.4	355.6	67	6	4 x 5/8-11	45	330	262

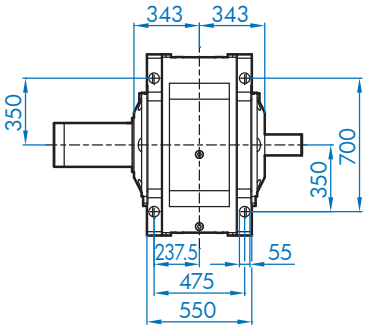


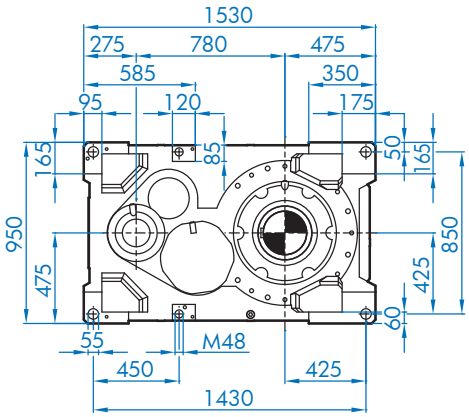
SK 13207/13307 V

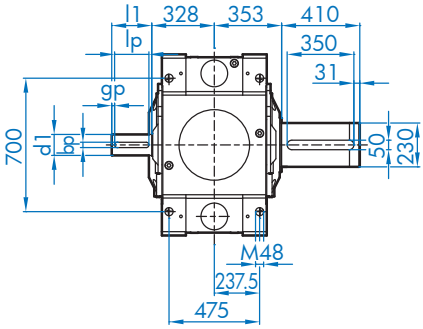




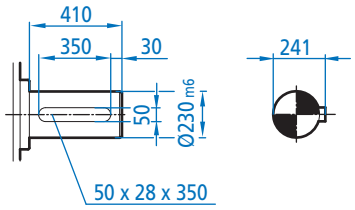




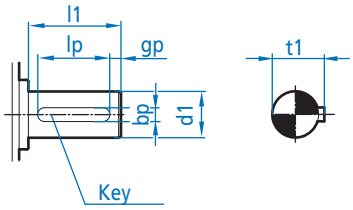




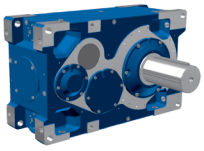
SK 13207/13307 V - Output Shaft Detail



SK 13207/13307 V - Input Shaft Detail

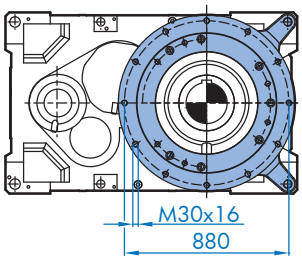


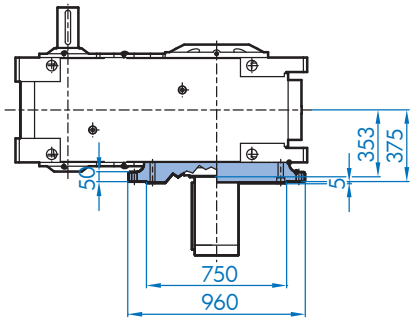
Input Shaft	Ød1	t1	l1	lp	bp	gp	key
SK 13207	110	116	210	180	28	15	28 x 16 x 180
SK 13307	80	85	170	140	22	15	22 x 14 x 140



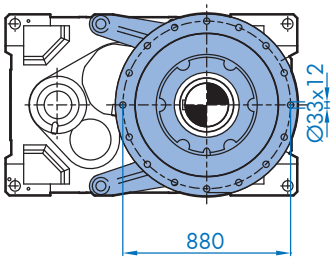
Parallel Drives
SK 13207 VF / SK 13307 VF

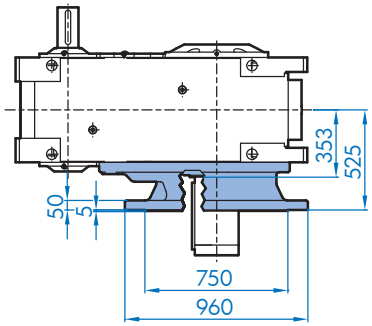
SK 13207/13307 VF



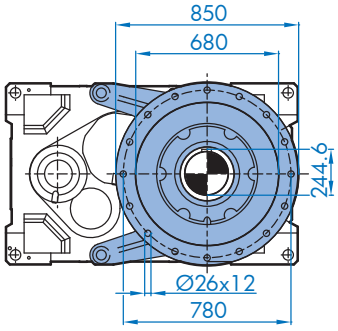


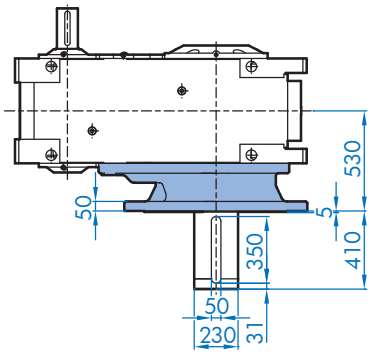
SK 13207/13307 VFK



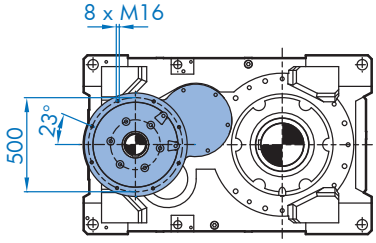


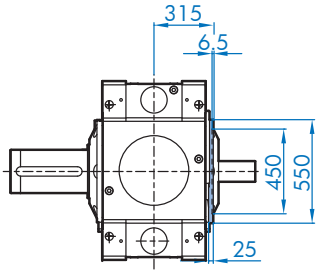
SK 13207/13307 VL2/VL3/VL4



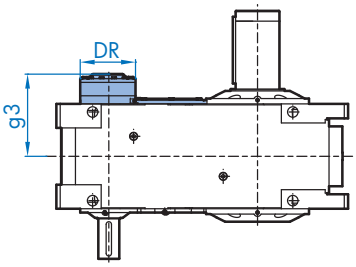


SK 13207/13307 F1 - Input Flange



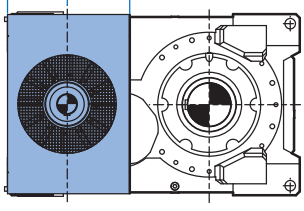


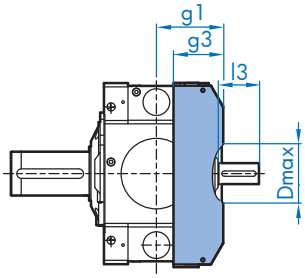
SK 13207/13307 R - Backstop



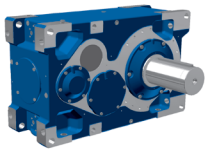
R	i_N	DR	g3
SK13207	5.6-20	290	431
SK13307	22.4-112	210	410

SK 13207/13307 FAN

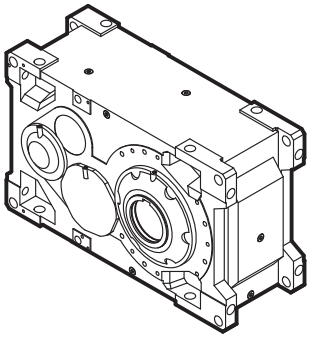


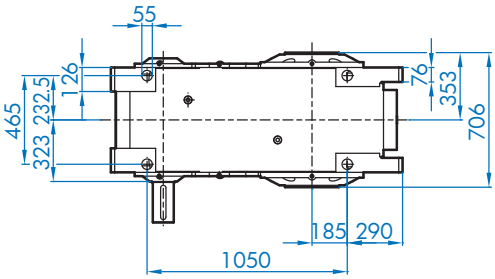


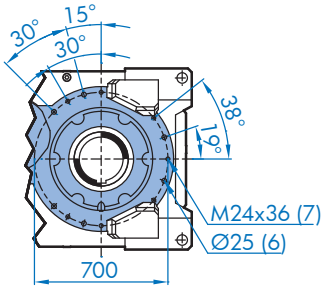
FAN	i_N	B1	B2	g1	g3	l3	Dmax
SK13207	5.6-20	490	317	392	243	158	Ø200
SK13307	22.4-112	490	317	392	243	118	Ø200

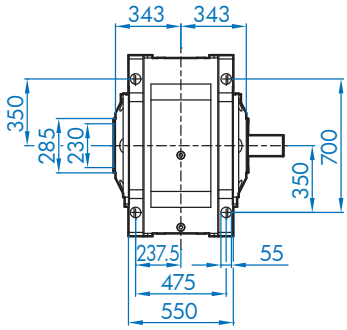


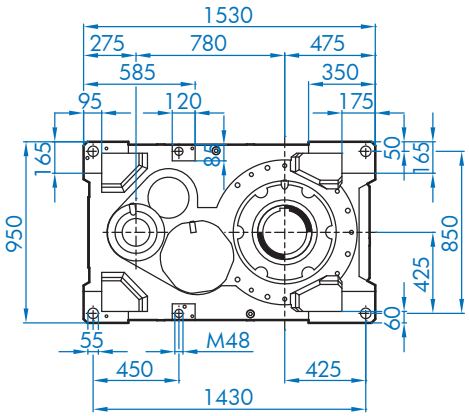
SK 13207/13307 A

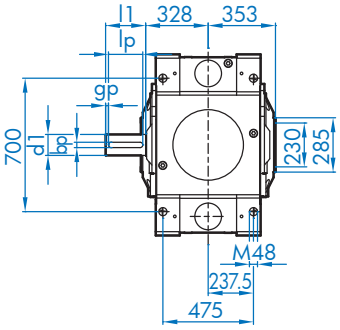






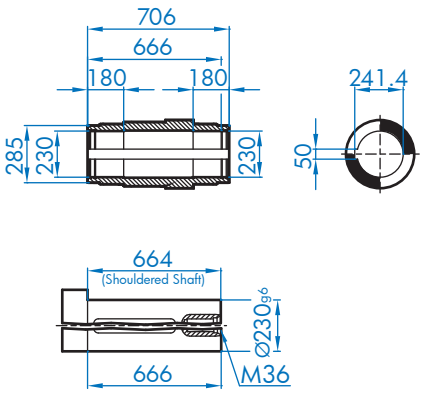






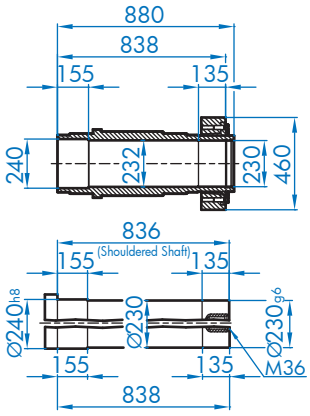
Input Shaft	Ød1	l1	lp	bp	gp	key
SK 13207	110	210	180	28	15	28 x 16 x 180
SK 13307	80	170	140	22	15	22 x 14 x 140

SK 13207/13307 A



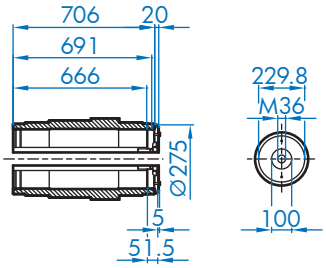
customer shaft recommendation

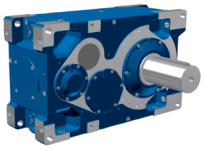
SK 13207/13307 AS



customer shaft recommendation

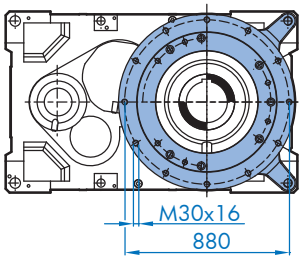
SK 13207/13307 - AB

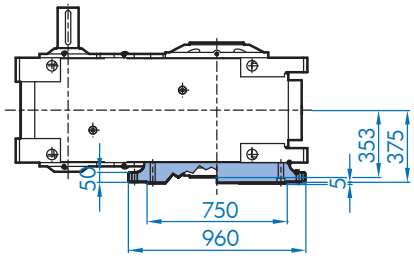




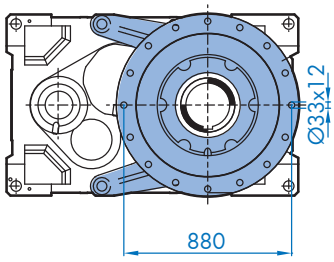
Parallel Drives
SK 13207 AF / SK 13307 AF

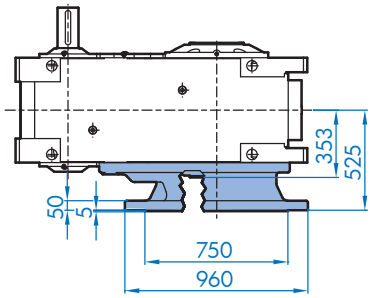
SK 13207/13307 AF



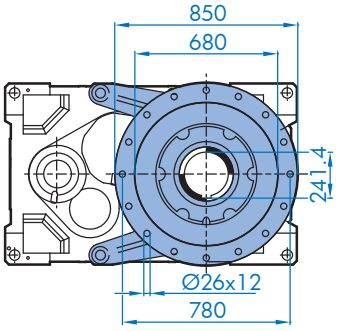


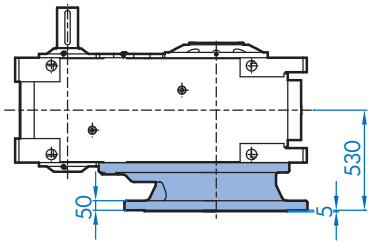
SK 13207/13307 AFK



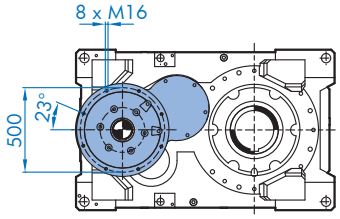


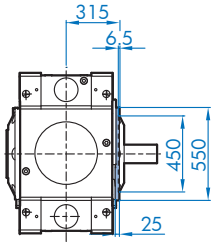
SK 13207/13307 VL2/VL3/VL4



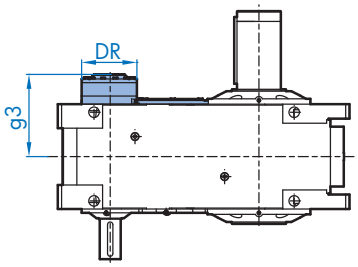


SK 13207/13307 F1 - Input Flange



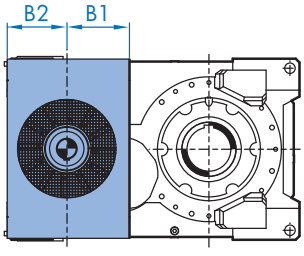


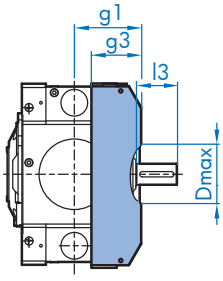
SK 13207/13307 R - Backstop



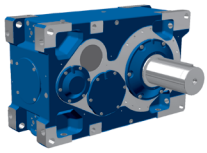
R	i_N	DR	g3
SK13207	5.6-20	290	431
SK13307	22.4-112	210	410

SK 13207/13307 FAN

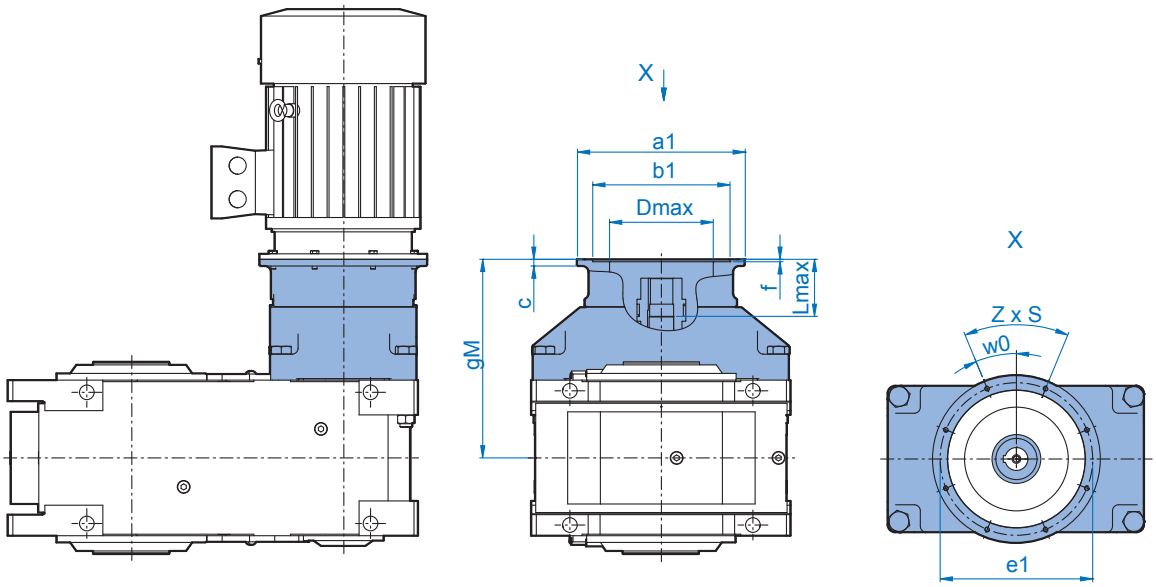




FAN	i_N	B1	B2	g1	g3	l3	Dmax
SK13207	5.6-20	490	317	392	243	158	Ø200
SK13307	22.4-112	490	317	392	243	118	Ø200



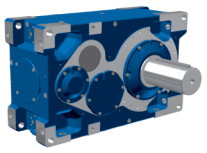
SK 13207 - SK 13307



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 13207	IEC	160	656	350	250	300	15	6.5	4 x 17.5	45	228	118
		180	656	350	250	300	15	6.5	4 x 17.5	45	228	118
		200	656	400	300	350	17	6.5	4 x 17.5	45	276	118
		225	686	450	350	400	18	6.5	8 x 17.5	22.5	290	148
		250	686	550	450	500	22	8	8 x M16	22.5	340	148
		280	686	550	450	500	22	8	8 x M16	22.5	340	148
		315	716	660	550	600	22	8	8 x 22	22.5	340	178
	TN [2]	315T	716	800	680	740	25	8	8 x 22	22.5	340	178
		355T	716	900	780	840	25	8	8 x 22	22.5	340	178
SK 13307	IEC	160	656	350	250	300	15	6.5	4 x 17.5	45	228	158
		180	656	350	250	300	15	6.5	4 x 17.5	45	228	158
		200	656	400	300	350	17	6.5	4 x 17.5	45	276	158
		225	686	450	350	400	18	6.5	8 x 17.5	22.5	290	188
		250	686	550	450	500	22	8	8 x M16	22.5	340	188
		280	686	550	450	500	22	8	8 x M16	22.5	340	188
		315	716	660	550	600	22	8	8 x 22	22.5	340	218
	TN [2]	315T	716	800	680	740	25	8	8 x 22	22.5	340	218
		355T	716	900	780	840	25	8	8 x 22	22.5	340	218

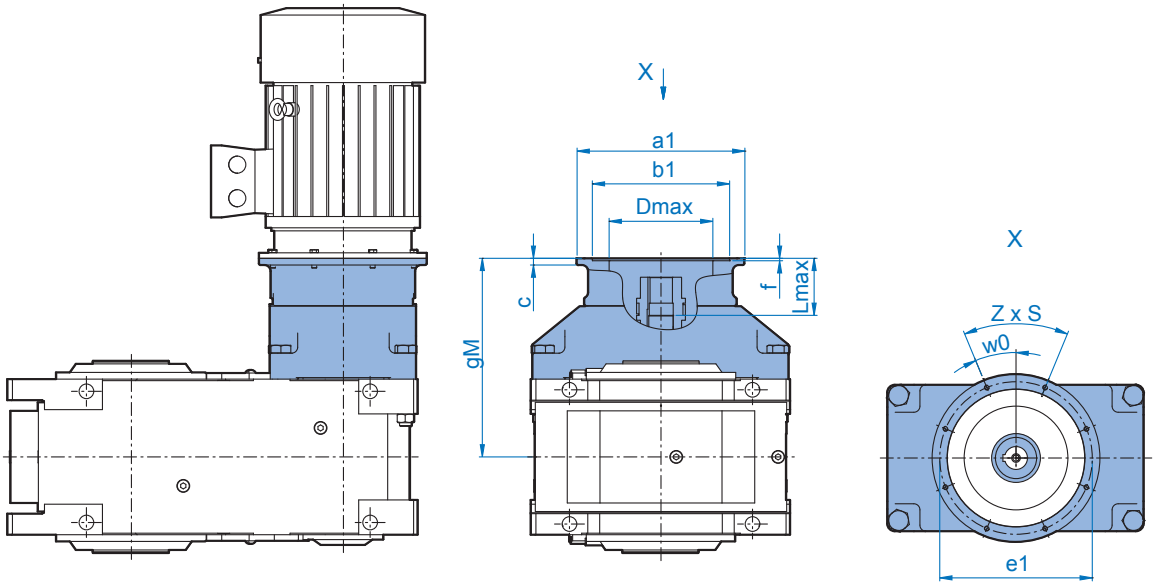
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request

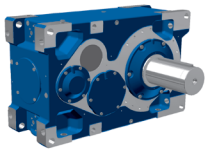


Parallel Drives
SK 13207/13307 (NEMA)

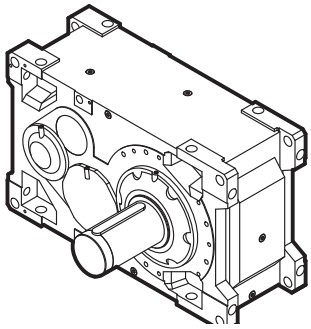
SK 13207 - SK 13307

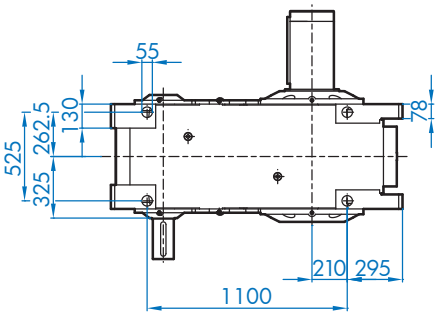


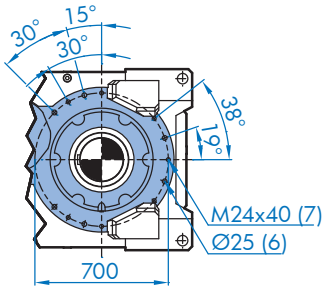
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 13207	NEMA	254/256 TC	679	350	215.9	184.15	38	4	4 x 1/2-13	45	220	141
		284/286 TC	679	350	266.7	228.6	38	4	4 x 1/2-13	45	220	141
		324/326 TC	690	400	317.5	279.4	51	4	4 x 5/8-11	45	265	152
		364/365 TC	720	450	317.5	279.4	52	4	4 x 5/8-11	45	280	182
		404/405 TC	734	550	317.5	279.4	70	6	4 x 5/8-11	45	330	196
		444/445 TC	766	550	406.4	355.6	102	6	4 x 5/8-11	45	330	228
		447/449 TC	761	660	406.4	355.6	67	6	4 x 5/8-11	45	330	223
SK 13307	NEMA	254/256 TC	679	350	215.9	184.15	38	4	4 x 1/2-13	45	220	181
		284/286 TC	679	350	266.7	228.6	38	4	4 x 1/2-13	45	220	181
		324/326 TC	690	400	317.5	279.4	51	4	4 x 5/8-11	45	265	192
		364/365 TC	720	450	317.5	279.4	52	4	4 x 5/8-11	45	280	222
		404/405 TC	734	550	317.5	279.4	70	6	4 x 5/8-11	45	330	236
		444/445 TC	766	550	406.4	355.6	102	6	4 x 5/8-11	45	330	268
		447/449 TC	761	660	406.4	355.6	67	6	4 x 5/8-11	45	330	263

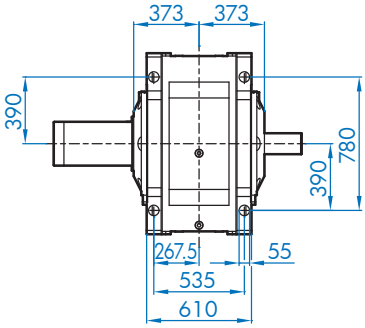


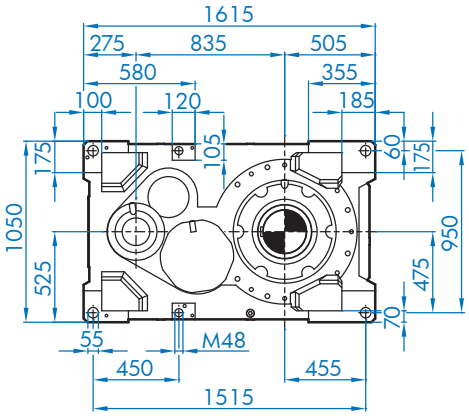
SK 14207/14307 V

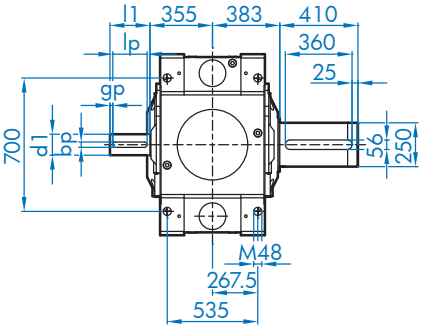




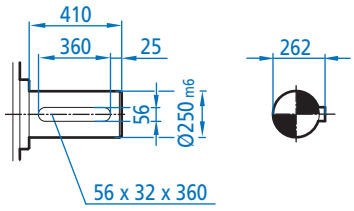




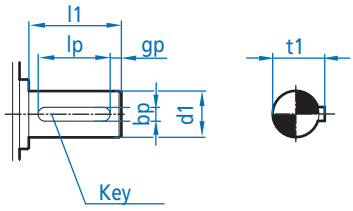




SK 14207/14307 V - Output Shaft Detail

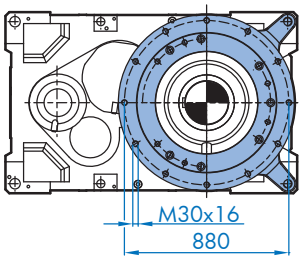


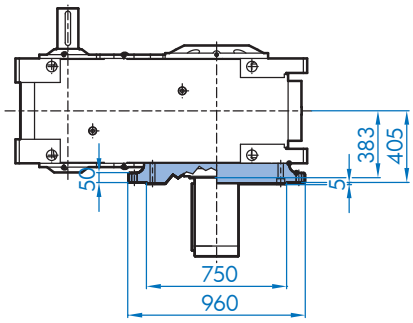
SK 14207/14307 V - Input Shaft Detail



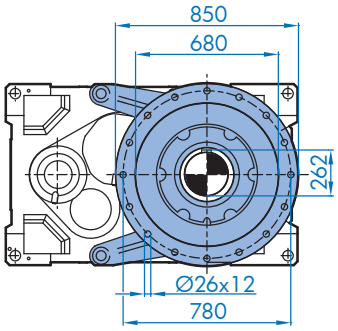
Input Shaft	Ød1	t1	l1	lp	bp	gp	key
SK 14207	110	116	210	180	28	15	28 x 16 x 180
SK 14307	80	85	170	140	22	15	22 x 14 x 140

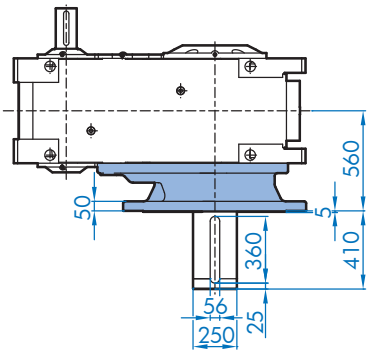
SK 14207/14307 VF



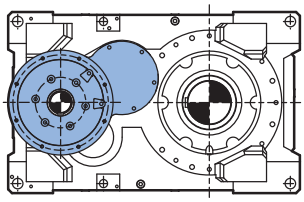


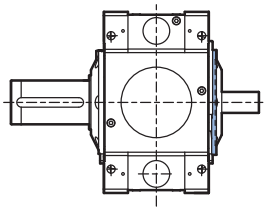
SK 14207/14307 VL2/VL3/VL4





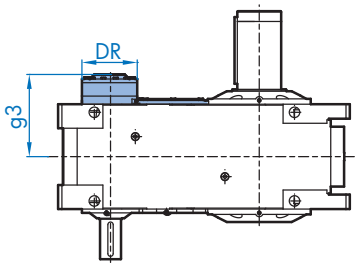
SK 14207/14307 F1 - Input Flange





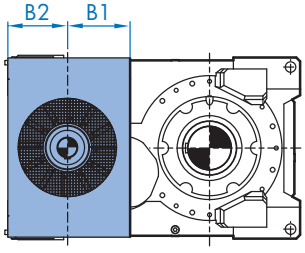
Dimensions Provided Upon Request

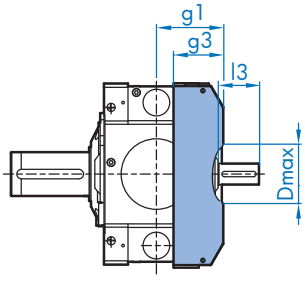
SK 14207/14307 R - Backstop



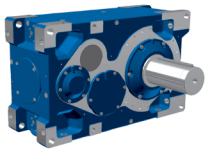
R	i_N	DR	g3
SK14207	7.1-25	310	470
SK14307	28-140	210	445

SK 14207/14307 FAN

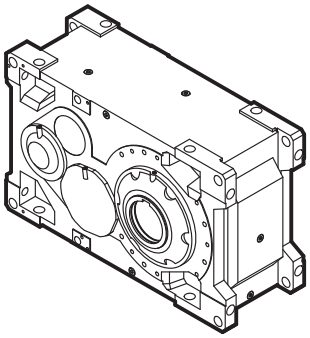


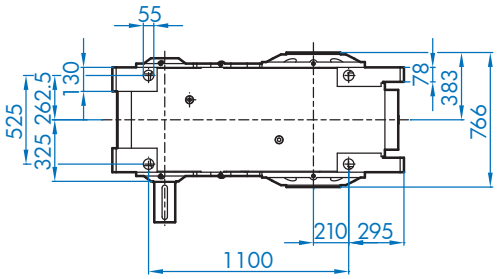


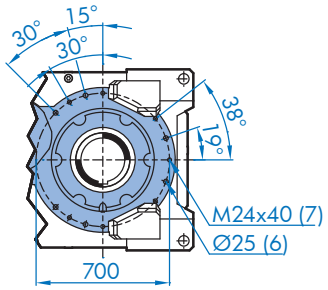
FAN	i_N	B1	B2	g1	g3	l3	Dmax
SK14207	7,1-25	320	310	433	150	158	ø 200
SK14307	28-140	320	310	433	150	118	ø 200

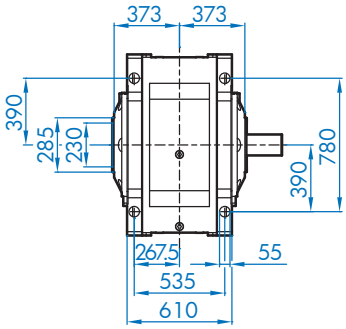


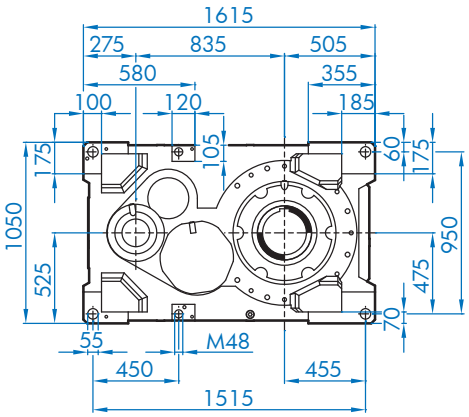
SK 14207/14307 A

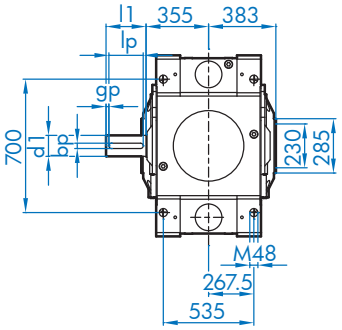






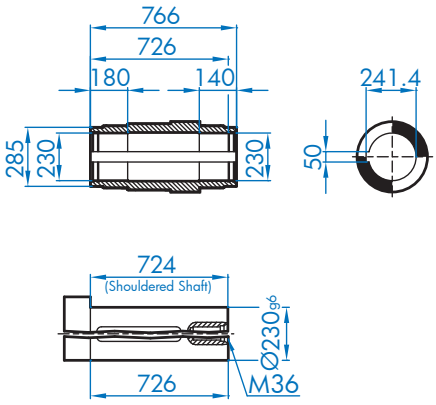






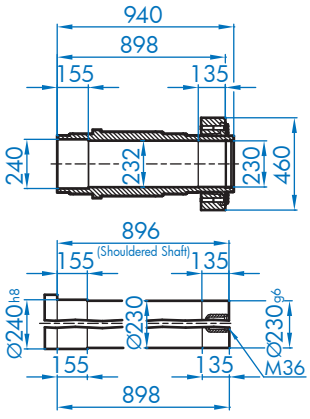
Input Shaft	Ød1	l1	lp	bp	gp	key
SK 14207	110	210	180	28	15	28 x 16 x 180
SK 14307	80	170	140	22	15	22 x 14 x 140

SK 14207/14307 A



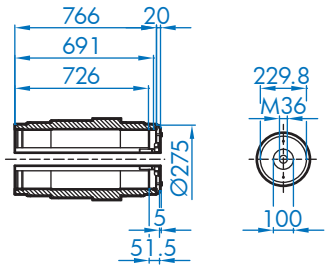
customer shaft recommendation

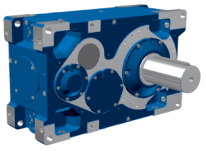
SK 14207/14307 AS



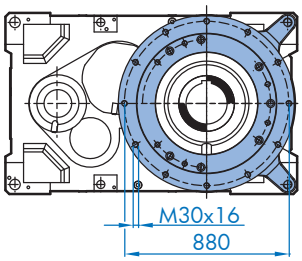
customer shaft recommendation

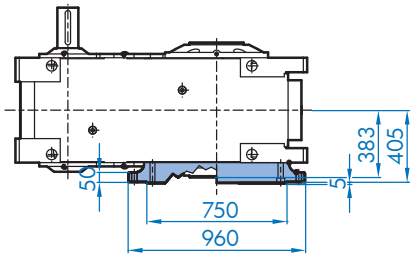
SK 14207/14307 - AB



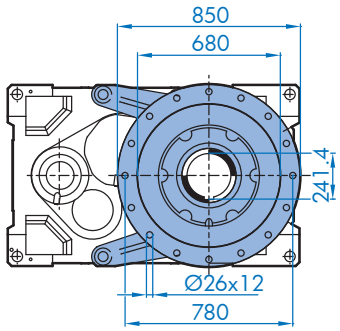


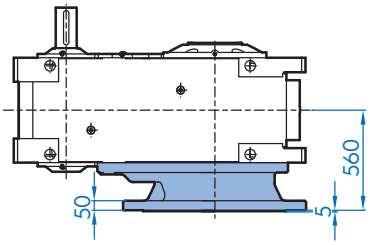
SK 14207/14307 AF



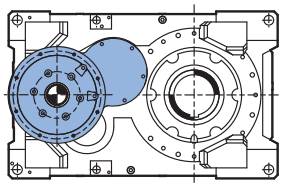


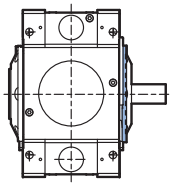
SK 14207/14307 VL2/VL3/VL4





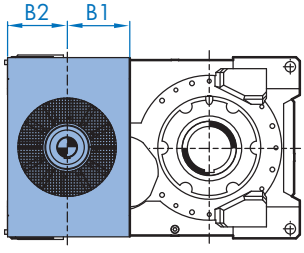
SK 14207/14307 F1 - Input Flange

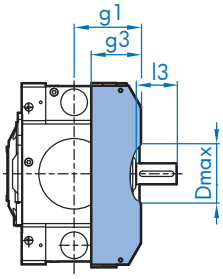




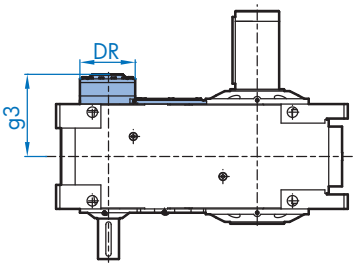
Dimensions Provided Upon Request

SK 14207/14307 FAN



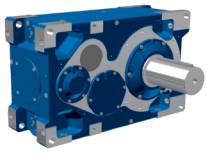


SK 14207/14307 R - Backstop

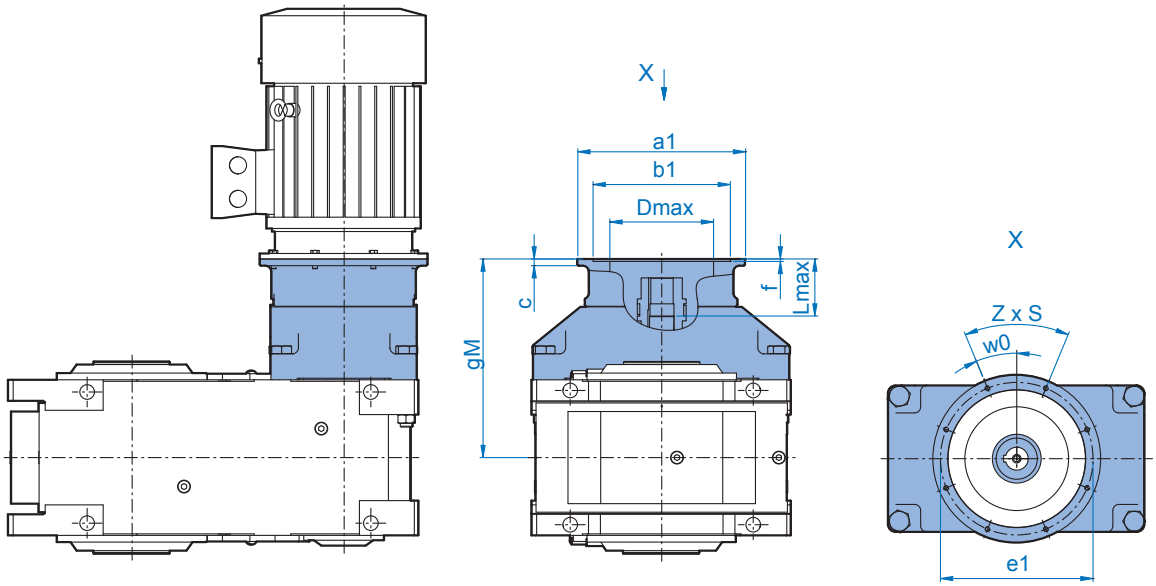


R	i_N	DR	g3
SK14207	7.1-25	310	470
SK14307	28-140	210	445

FAN	i_N	B1	B2	g1	g3	l3	Dmax
SK14207	7,1-25	320	310	433	150	158	ø 200
SK14307	28-140	320	310	433	150	118	ø 200



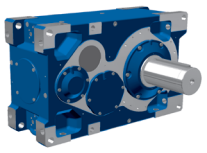
SK 14207 - SK 14307



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 14207	IEC	160	686	350	250	300	15	6.5	4 x 17.5	45	228	118
		180	686	350	250	300	15	6.5	4 x 17.5	45	228	118
		200	686	400	300	350	17	6.5	4 x 17.5	45	276	118
		225	716	450	350	400	18	6.5	8 x 17.5	22.5	290	148
		250	716	550	450	500	22	8	8 x M16	22.5	340	148
		280	716	550	450	500	22	8	8 x M16	22.5	340	148
		315	746	660	550	600	22	8	8 x 22	22.5	340	178
	TN [2]	315	746	800	680	740	25	8	8 x 22	22.5	340	178
		355	746	900	780	840	25	8	8 x 22	22.5	340	178
SK 14307	IEC	160	686	350	250	300	15	6.5	4 x 17.5	45	228	158
		180	686	350	250	300	15	6.5	4 x 17.5	45	228	158
		200	686	400	300	350	17	6.5	4 x 17.5	45	276	158
		225	716	450	350	400	18	6.5	8 x 17.5	22.5	290	188
		250	716	550	450	500	22	8	8 x M16	22.5	340	188
		280	716	550	450	500	22	8	8 x M16	22.5	340	188
		315	746	660	550	600	22	8	8 x 22	22.5	340	218
	TN [2]	315	746	800	680	740	25	8	8 x 22	22.5	340	218
		355	746	900	780	840	25	8	8 x 22	22.5	340	218

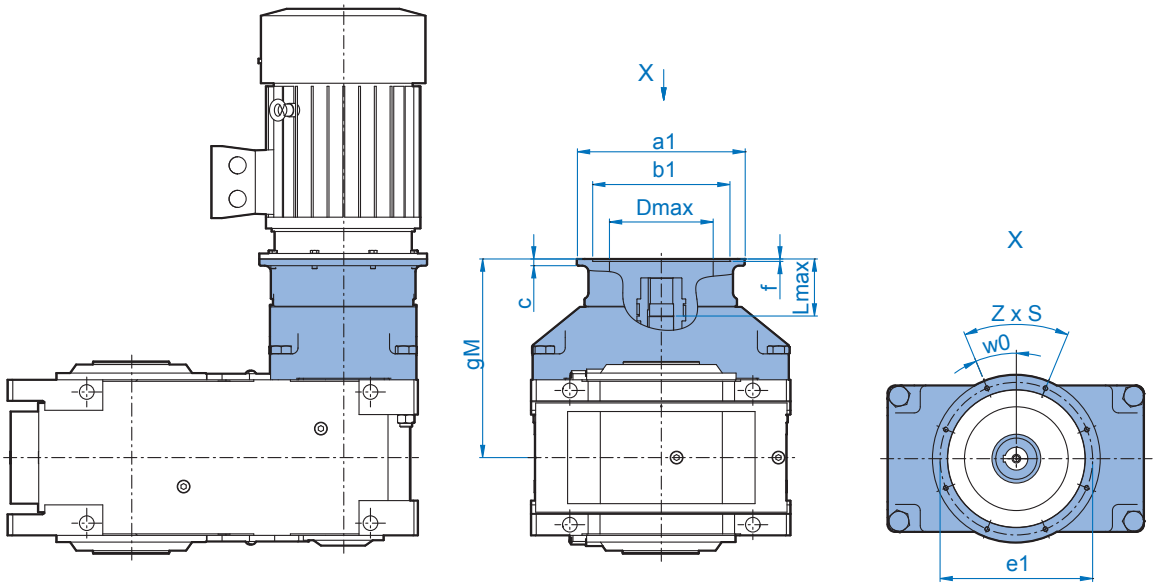
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request

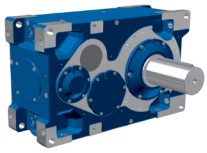


Parallel Drives
SK 14207/14307 (NEMA)

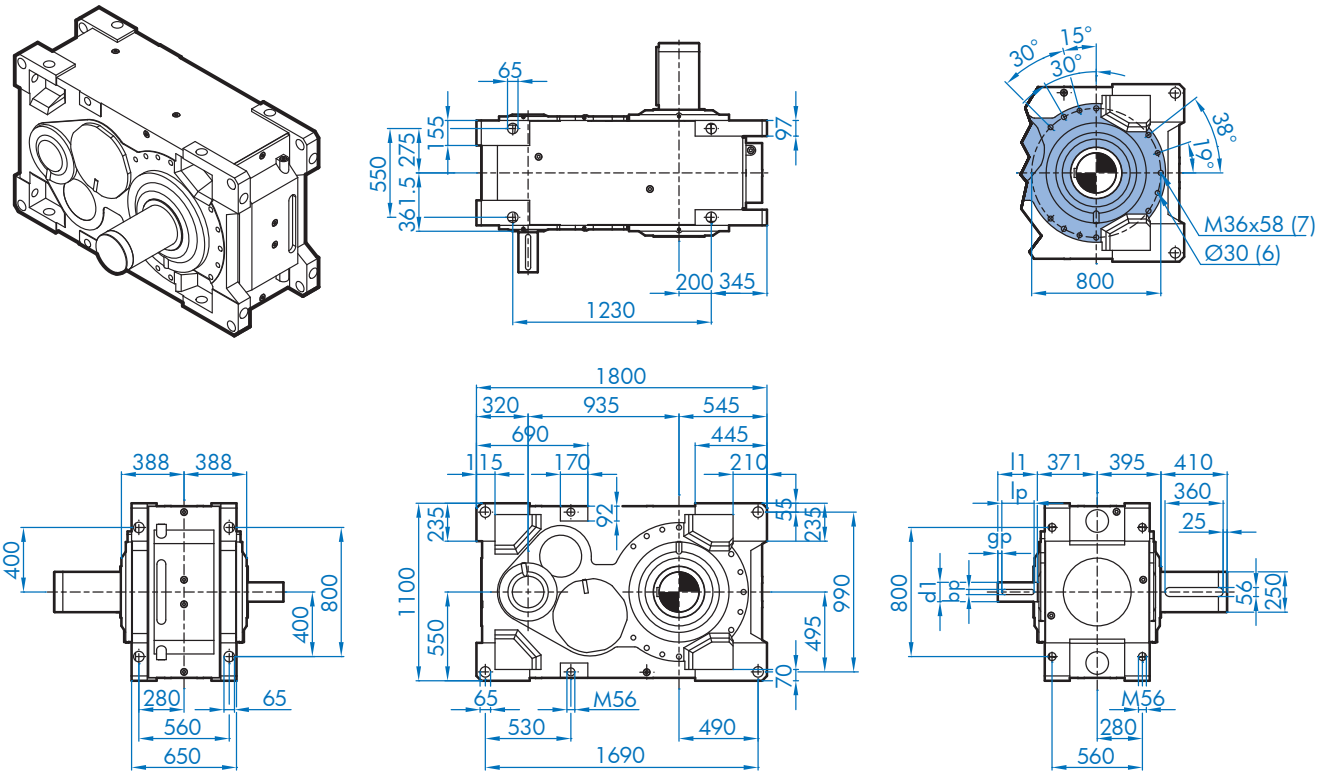
SK 14207 - SK 14307



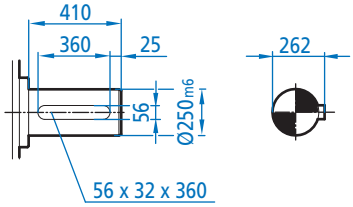
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 14207	NEMA	254/256 TC	709	350	215.9	184.15	38	4	4 x 1/2-13	45	220	141
		284/286 TC	709	350	266.7	228.6	38	4	4 x 1/2-13	45	220	141
		324/326 TC	709	400	317.5	279.4	51	4	4 x 5/8-11	45	265	152
		364/365 TC	739	450	317.5	279.4	52	4	4 x 5/8-11	45	280	182
		404/405 TC	739	550	317.5	279.4	70	6	4 x 5/8-11	45	330	196
		444/445 TC	769	550	406.4	355.6	102	6	4 x 5/8-11	45	330	228
		447/449 TC	769	660	406.4	355.6	67	6	4 x 5/8-11	45	330	223
SK 14307	NEMA	254/256 TC	709	350	215.9	184.15	38	4	4 x 1/2-13	45	220	181
		284/286 TC	709	350	266.7	228.6	38	4	4 x 1/2-13	45	220	181
		324/326 TC	709	400	317.5	279.4	51	4	4 x 5/8-11	45	265	192
		364/365 TC	739	450	317.5	279.4	52	4	4 x 5/8-11	45	280	222
		404/405 TC	739	550	317.5	279.4	70	6	4 x 5/8-11	45	330	236
		444/445 TC	769	550	406.4	355.6	102	6	4 x 5/8-11	45	330	268
		447/449 TC	769	660	406.4	355.6	67	6	4 x 5/8-11	45	330	263



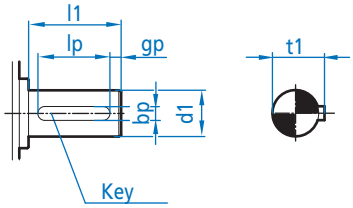
SK 15207/15307 V



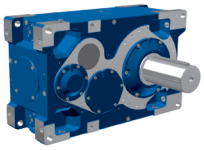
SK 15207/15307 V - Output Shaft Detail



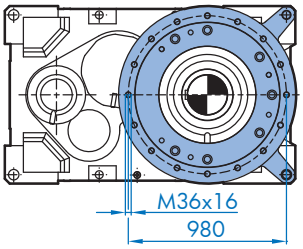
SK 15207/15307 V - Input Shaft Detail

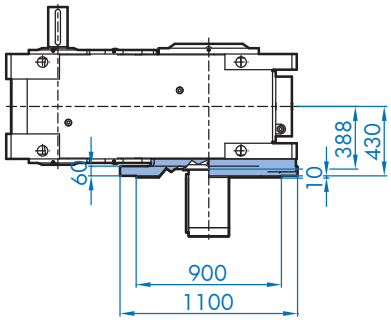


Input Sh.	Ratio	Ød1	t1	l1	lp	bp	gp	key
SK 15207	5.6 - 20	120	127	245	200	32	15	32 x 18 x 200
SK 15307	22.4 - 45	100	106	210	180	28	15	28 x 16 x 180
SK 15307	50 - 112	80	85	170	140	22	15	22 x 14 x 140

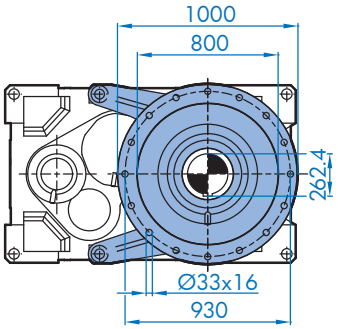


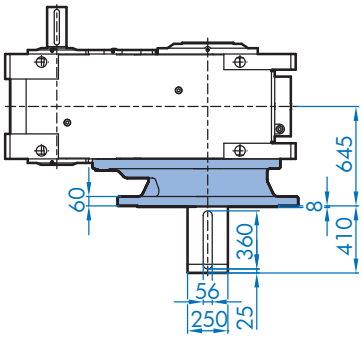
SK 15207/15307 VF



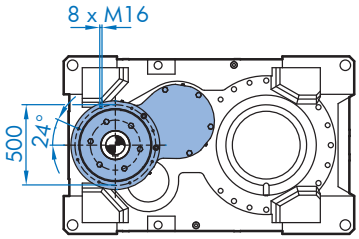


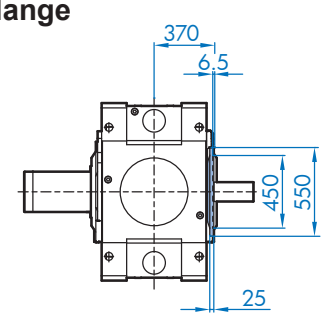
SK 15207/15307 VL2/VL3/VL4



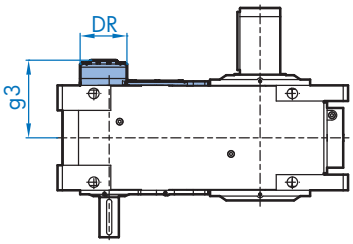


SK 15207/15307 F1 - Input Flange



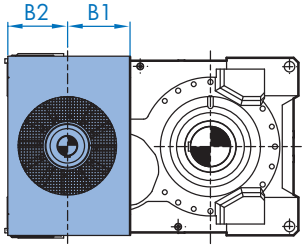


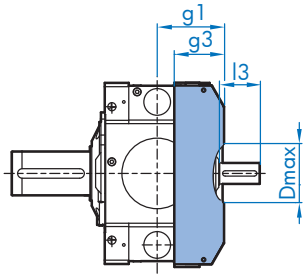
SK 15207/15307 R - Backstop



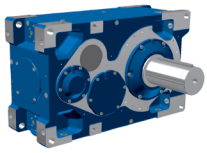
R	i_N	DR	g3
SK15207	5.6-20	400	510
SK15307	22.4-112	290	485

SK 15207/15307 FAN

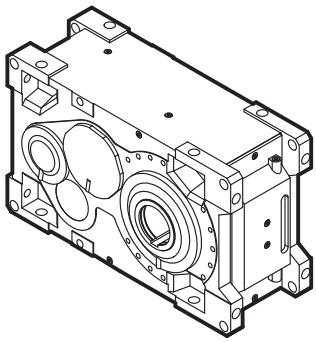


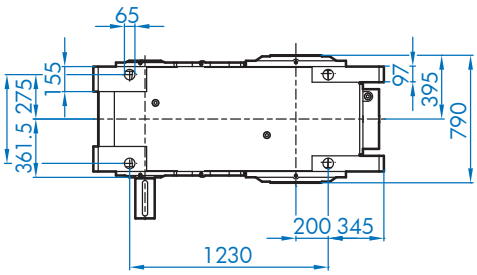


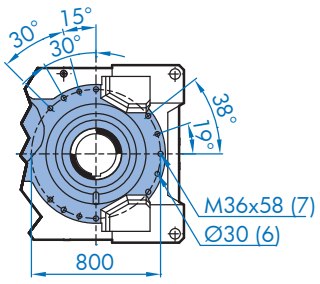
FAN	i_N	B1	B2	g1	g3	l3	Dmax
SK15207	5.6-20	580	362	450	275	178	Ø240
SK15307	22.4-45	580	362	450	275	143	Ø240
SK15307	50-112	580	362	450	275	103	Ø240

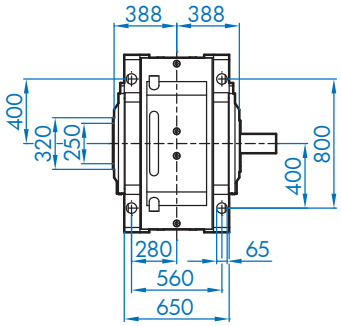


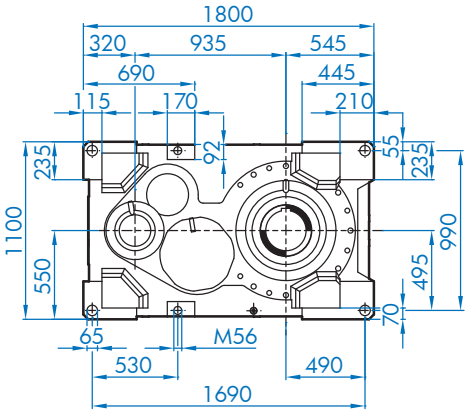
SK 15207/15307 A

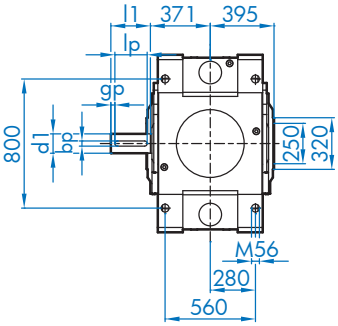






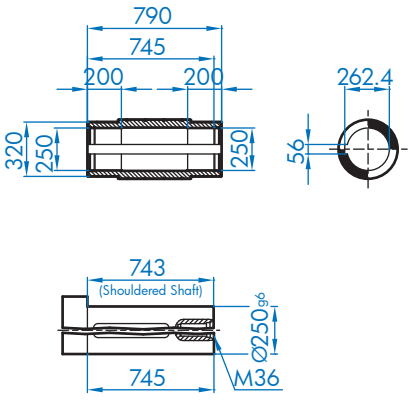






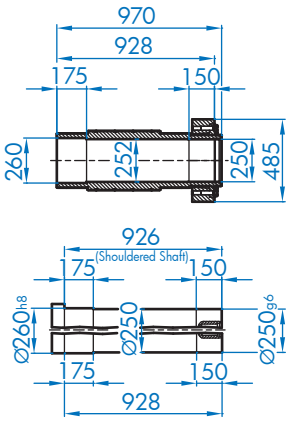
Input Sh.	Ratio	Ød1	l1	lp	bp	gp	key
SK 15207	5.6 - 20	120	245	200	32	15	32 x 18 x 200
SK 15307	22.4 - 45	100	210	180	28	15	28 x 16 x 180
SK 15307	50 - 112	80	170	140	22	15	22 x 14 x 140

SK 15207/15307 A



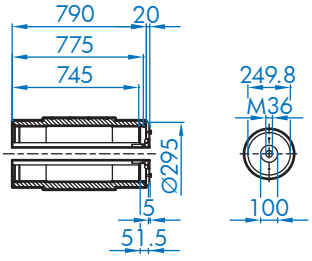
customer shaft recommendation

SK 15207/15307 AS

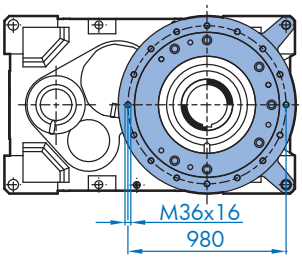


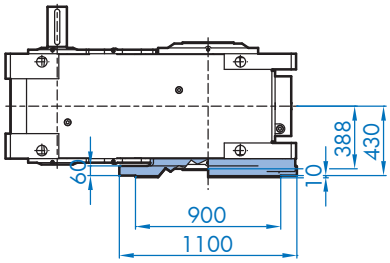
customer shaft recommendation

SK 15207/15307 - AB

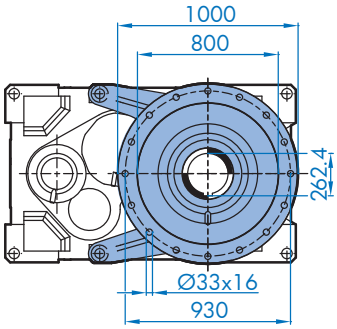


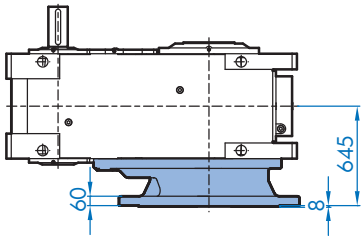
SK 15207/15307 AF



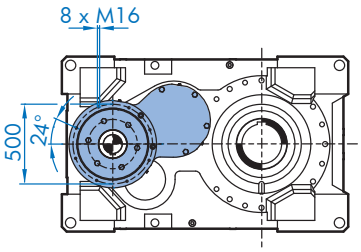


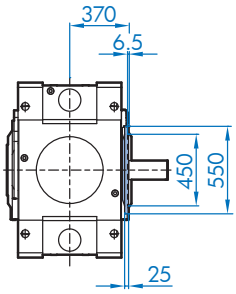
SK 15207/15307 VL2/VL3/VL4



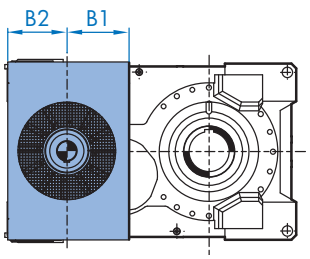


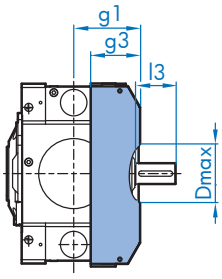
SK 15207/15307 F1 - Input Flange



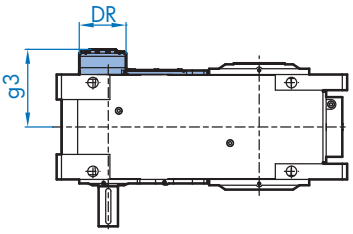


SK 15207/15307 FAN



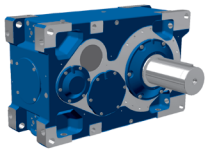


SK 15207/15307 R - Backstop



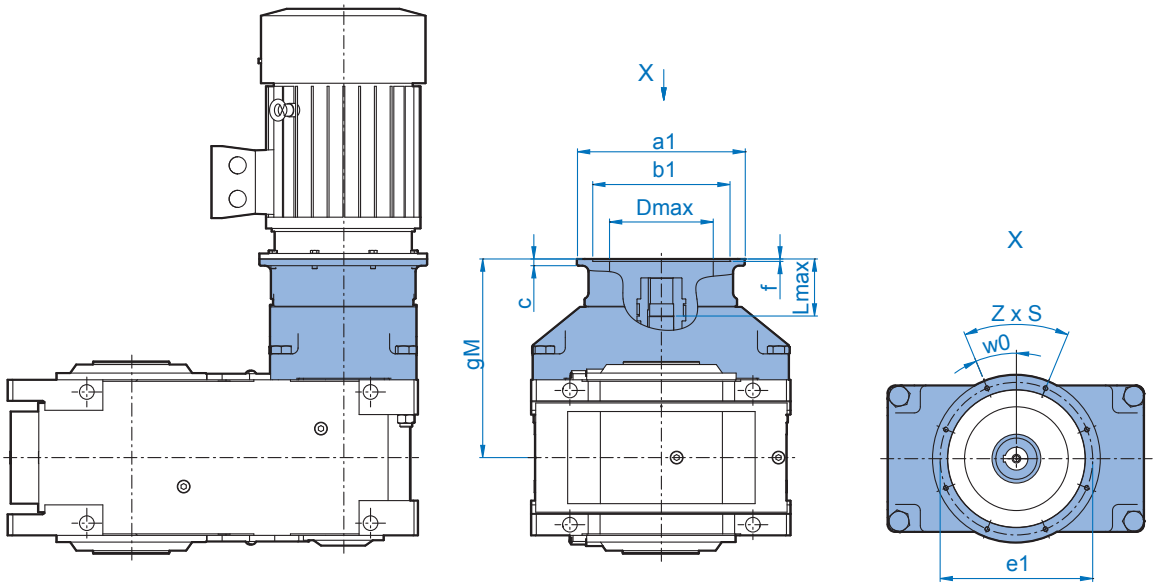
R	i_N	DR	g3
SK15207	5.6-20	400	510
SK15307	22.4-112	290	485

FAN	i_N	B1	B2	g1	g3	l3	Dmax
SK15207	5.6-20	580	362	450	275	178	Ø240
SK15307	22.4-45	580	362	450	275	143	Ø240
SK15307	50-112	580	362	450	275	103	Ø240



NORD DRIVESYSTEMS

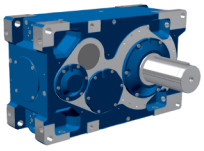
SK 15207 - SK 15307



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 15207	IEC	160	735	350	250	300	15	6.5	4 x 17.5	45	228	119
		180	735	350	250	300	15	6.5	4 x 17.5	45	228	119
		200	735	400	300	350	17	6.5	4 x 17.5	45	276	119
		225	765	450	350	400	18	6.5	8 x 17.5	22.5	290	149
		250	765	550	450	500	22	8	8 x M16	22.5	340	149
		280	765	550	450	500	22	8	8 x M16	22.5	340	149
		315	795	660	550	600	22	8	8 x 22	22.5	340	179
	TN [2]	315T	795	800	680	740	25	8	8 x 22	22.5	340	179
		355T	795	900	780	840	25	8	8 x 22	22.5	340	179
SK 15307	IEC	160	735	350	250	300	15	6.5	4 x 17.5	45	228	154 / 194
		180	735	350	250	300	15	6.5	4 x 17.5	45	228	154 / 194
		200	735	400	300	350	17	6.5	4 x 17.5	45	276	154 / 194
		225	765	450	350	400	18	6.5	8 x 17.5	22.5	290	184 / 224
		250	765	550	450	500	22	8	8 x M16	22.5	340	184 / 224
		280	765	550	450	500	22	8	8 x M16	22.5	340	184 / 224
		315	795	660	550	600	22	8	8 x 22	22.5	340	214 / 254
	TN [2]	315T	795	800	680	740	25	8	8 x 22	22.5	340	214 / 254
		355T	795	900	780	840	25	8	8 x 22	22.5	340	214 / 254

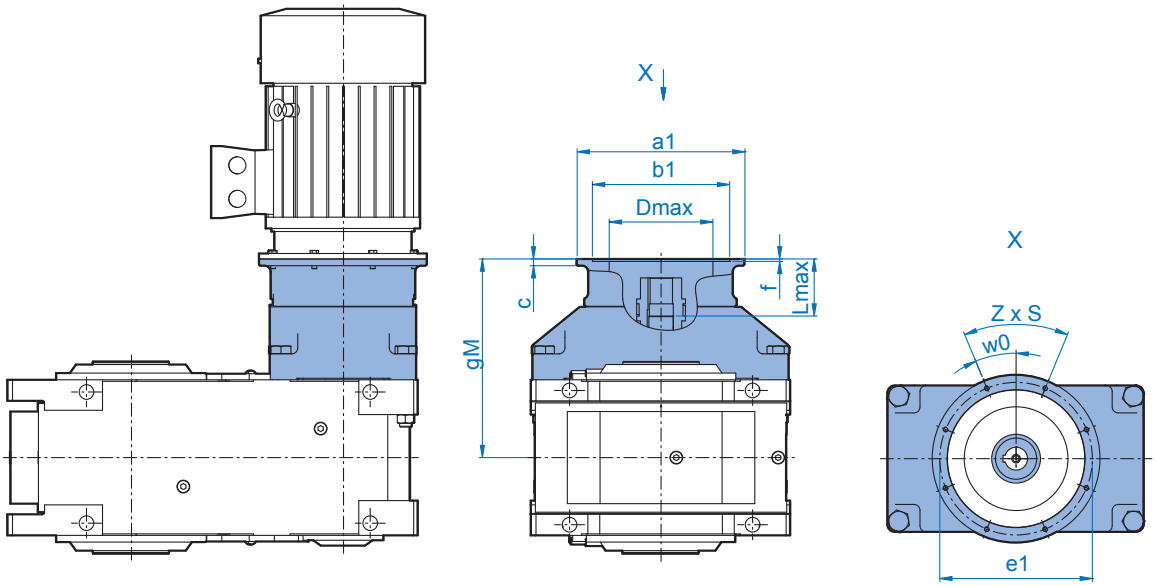
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request



Parallel Drives
SK 15207/15307 (NEMA)

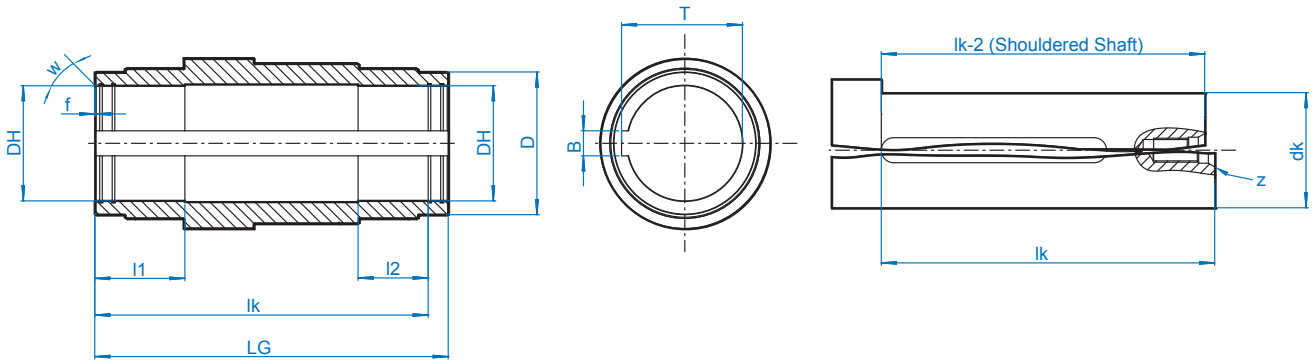
SK 15207 - SK 15307



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 15207	NEMA	254/256 TC	758	350	215.9	184.15	38	4	4 x 1/2-13	45	220	142
		284/286 TC	758	350	266.7	228.6	38	4	4 x 1/2-13	45	220	142
		324/326 TC	769	400	317.5	279.4	51	4	4 x 5/8-11	45	265	153
		364/365 TC	799	450	317.5	279.4	52	4	4 x 5/8-11	45	280	183
		404/405 TC	813	550	317.5	279.4	70	6	4 x 5/8-11	45	330	197
		444/445 TC	845	550	406.4	355.6	102	6	4 x 5/8-11	45	330	229
		447/449 TC	840	660	406.4	355.6	67	6	4 x 5/8-11	45	330	224
SK 15307	NEMA	254/256 TC	758	350	215.9	184.15	38	4	4 x 1/2-13	45	220	177 / 217
		284/286 TC	758	350	266.7	228.6	38	4	4 x 1/2-13	45	220	177 / 217
		324/326 TC	769	400	317.5	279.4	51	4	4 x 5/8-11	45	265	188 / 228
		364/365 TC	799	450	317.5	279.4	52	4	4 x 5/8-11	45	280	218 / 258
		404/405 TC	813	550	317.5	279.4	70	6	4 x 5/8-11	45	330	232 / 272
		444/445 TC	845	550	406.4	355.6	102	6	4 x 5/8-11	45	330	264 / 304
		447/449 TC	840	660	406.4	355.6	67	6	4 x 5/8-11	45	330	259 / 299

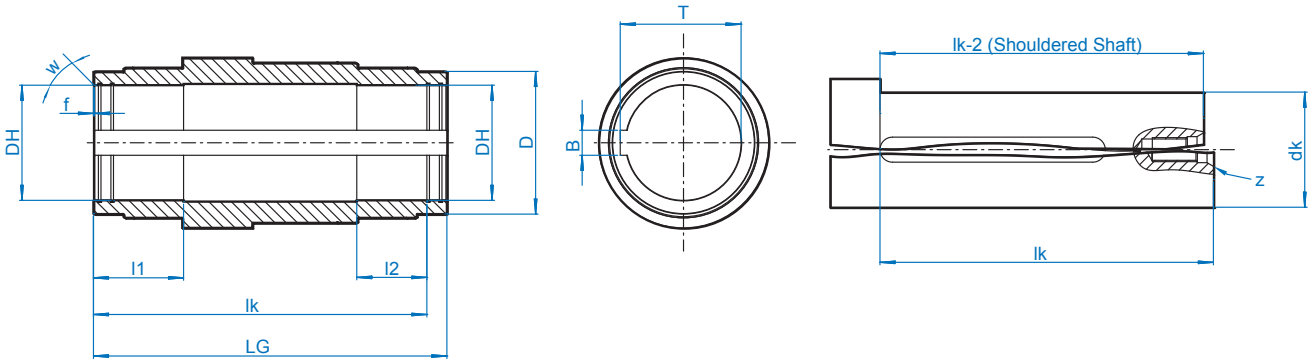
A - Keyed Hollow Shaft
AVL2/3/4 - Agitator & Drywell Hollow Shaft

A - Keyed Hollow Shaft & Customer Shaft Detail



	DH	LG	dk	lk	lk-2	l1	l2	D	f	w	B	T	z
SK 7..07	ø125 H7	394	ø125 h6	359	357	100	65	ø 160	2	30	32	132.4	M24
SK 8..07	ø125 H7	394	ø125 h6	359	357	100	65	ø 160	2	30	32	132.4	M24
SK 9..07	ø160 H7	506	ø160 h6	486	484	130	110	ø 220	2	30	40	169.4	M30
SK 10..07	ø160 H7	506	ø160 h6	486	484	130	110	ø 220	2	30	40	169.4	M30
SK 11..07	ø170 H7	560	ø170 g6	525	523	140	105	ø 240	2	30	40	179.4	M30
SK 12..07	ø190 H7	630	ø190 g6	595	593	160	125	ø 250	2	30	45	200.4	M30
SK 13..07	ø230 H7	706	ø230 g6	666	664	180	140	ø 285	2	30	50	241.4	M36
SK 14..07	ø230 H7	766	ø230 g6	726	724	180	140	ø 285	2	30	50	241.4	M36
SK 15..07	ø250 H7	790	ø250 g6	745	743	200	155	ø 320	2	30	56	262.4	M36

AVL2/3/4 - Agitator & Drywell - Hollow Shaft

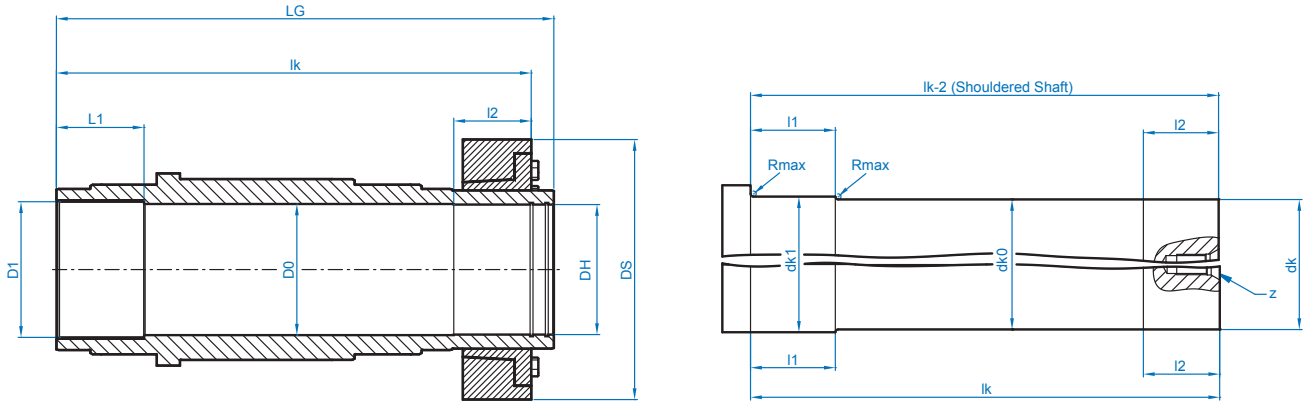


	DH	LG	dk	lk	lk-2	l1	l2	D	f	w	B	T	z
SK 7..07	ø125 H7	682	ø125 h6	647	615	100	80	ø 160	2	30	32	132.4	M24
SK 8..07	ø125 H7	682	ø125 h6	647	615	100	80	ø 160	2	30	32	132.4	M24
SK 9..07	ø160 H7	770.5	ø160 h6	745.5	743.5	110	80	ø 220	2	30	40	169.4	M30
SK 10..07	ø160 H7	770.5	ø160 h6	745.5	743.5	110	80	ø 220	2	30	40	169.4	M30
SK 11..07	ø160 H7	730	ø170 g6	695	693	140	105	ø 240	2	30	40	179.4	M30
SK 12..07	ø190 H7	800	ø190 g6	765	763	160	125	ø 250	2	30	45	200.4	M30
SK 13..07	ø230 H7	896	ø230 g6	856	854	180	140	ø 285	2	30	50	241.4	M36
SK 14..07	ø230 H7	956	ø230 g6	916	914	180	140	ø 285	2	30	50	241.4	M36
SK 15..07	ø250 H7	1040	ø250 g6	995	993	200	155	ø 320	2	30	56	262.4	M36

For Tolerance Info See ⇨ 48

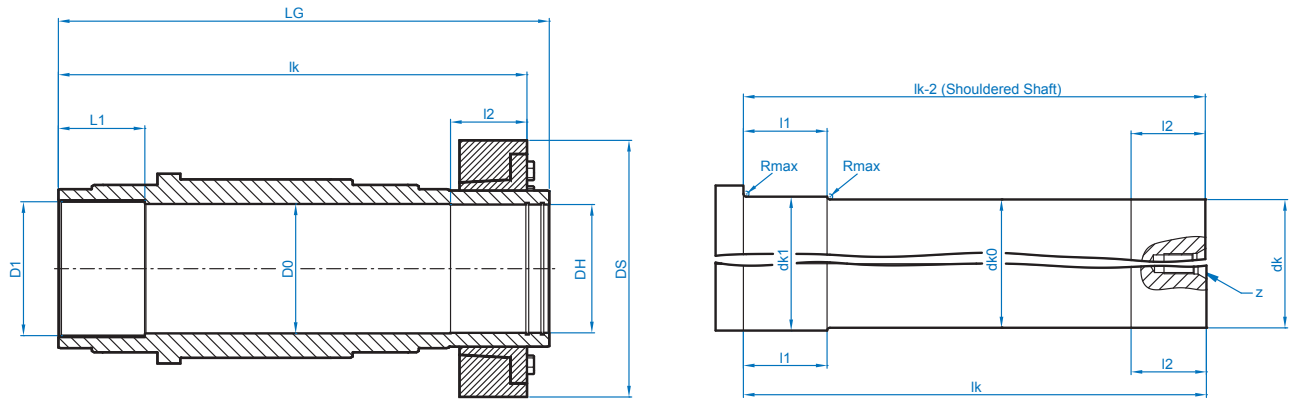
AS - Shrink Disc with Hollow Shaft
ASVL2/3/4 - Agitator & Drywell
Hollow Shaft with Shrink Disc

AS - Shrink Disc Hollow Shaft



	DH	D0	D1	L1	DS	LG	dk1	dk0	dk	lk	lk-2	l1	l2	Rmax	z
SK 7..07	ø125 H7	ø125,5	ø125	90	290	484	ø125 h8	ø125	ø 125 h6	465	463	90	65	3	M24
SK 8..07	ø125 H7	ø125,5	ø125	90	290	484	ø125 h8	ø125	ø 125 h6	465	463	90	65	3	M24
SK 9..07	ø160 H7	ø160,5	ø160	110	320	628	ø160 h8	ø160	ø 160 h6	596	594	110	85	3	M30
SK 10..07	ø160 H7	ø160,5	ø160	110	320	628	ø160 h8	ø160	ø 160 h6	596	594	110	85	3	M30
SK 11..07	ø170 H7	ø172	ø180	125	ø370	690	ø180 h8	ø170	ø170 g6	658	656	125	105	5	M30
SK 12..07	ø190 H7	ø192	ø200	135	ø405	770	ø200 h8	ø190	ø190 g6	736	734	135	120	5	M30
SK 13..07	ø230 H7	ø232	ø240	155	ø460	880	ø240 h8	ø230	ø230 g6	838	836	155	135	5	M36
SK 14..07	ø230 H7	ø232	ø240	155	ø460	940	ø240 h8	ø230	ø230 g6	898	896	155	135	5	M36
SK 15..07	ø250 H7	ø252	ø260	175	ø485	970	ø260 h8	ø250	ø250 g6	928	926	175	150	5	M36

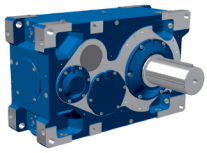
ASVL2/3/4 - Agitator & Drywell - Hollow Shaft with Shrink Disc



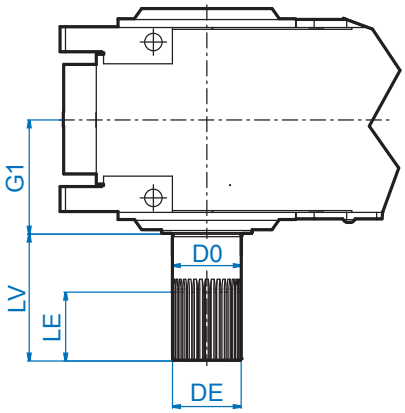
	DH	D0	D1	L1	DS	LG	dk1	dk0	dk	lk	lk2	l1	l2	Rmax	z
SK 7..07	ø125 H7	ø125.5	ø125	90	300	733	ø125 h8	ø125	ø 125 h6	713	711	90	65	3	M24
SK 8..07	ø125 H7	ø125.5	ø125	90	300	733	ø125 h8	ø125	ø 125 h6	713	711	90	65	3	M24
SK 9..07	ø160 H7	ø160.5	ø160	110	320	889.5	ø160 h8	ø160	ø 160 h6	854.5	852.5	110	82	3	M30
SK 10..07	ø160 H7	ø160.5	ø160	110	320	889.5	ø160 h8	ø160	ø 160 h6	854.5	852.5	110	82	3	M30
SK 11..07	ø170 H7	ø172	ø180	125	ø370	860	ø180 h8	ø170	ø170 g6	828	826	125	105	5	M30
SK 12..07	ø190 H7	ø192	ø200	135	ø405	940	ø200 h8	ø190	ø190 g6	906	904	135	120	5	M30
SK 13..07	ø230 H7	ø232	ø240	155	ø460	1070	ø240 h8	ø230	ø230 g6	1028	1026	155	135	5	M36
SK 14 .. 07	ø230 H7	ø232	ø240	155	ø460	1130	ø240 h8	ø230	ø230 g6	1088	1086	155	135	5	M36
SK 15..07	ø250 H7	ø252	ø260	175	ø485	1220	ø260 h8	ø250	ø250 g6	1178	1176	175	150	5	M36

For Tolerance Info See ⇨ 48

EV - Splined Solid Shaft
EA - Splined Hollow Shaft

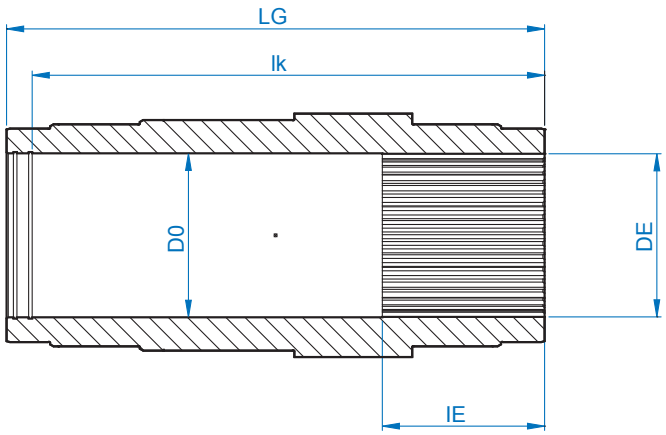


EV - Splined Solid Shaft



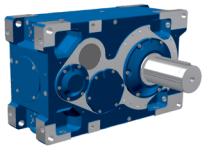
	DE	LE	G1	LV	D0
SK 7..07	W 130 x 5 x 30 x 24 - DIN 5480	85	197	250	ø 130
SK 8..07	W 130 x 5 x 30 x 24 - DIN 5480	85	197	250	ø 130
SK 9..07	W 140 x 3 x 30 x 45 - DIN 5480	100	253	300	ø 140
SK 10..07	W 140 x 3 x 30 x 45 - DIN 5480	100	253	300	ø 140
SK 11..07	W 170 x 5 x 30 x 32 - DIN 5480	160	280	300	ø 170
SK 12..07	W 190 x 5 x 30 x 36 - DIN 5480	190	315	350	ø 190
SK 13..07	W 220 x 5 x 30 x 42 - DIN 5480	215	353	410	ø 220
SK 14..07	W 220 x 5 x 30 x 42 - DIN 5480	215	353	410	ø 220
SK 15..07	W 250 x 5 x 30 x 48 - DIN 5480	245	395	410	ø 250

EA - Splined Hollow Shaft



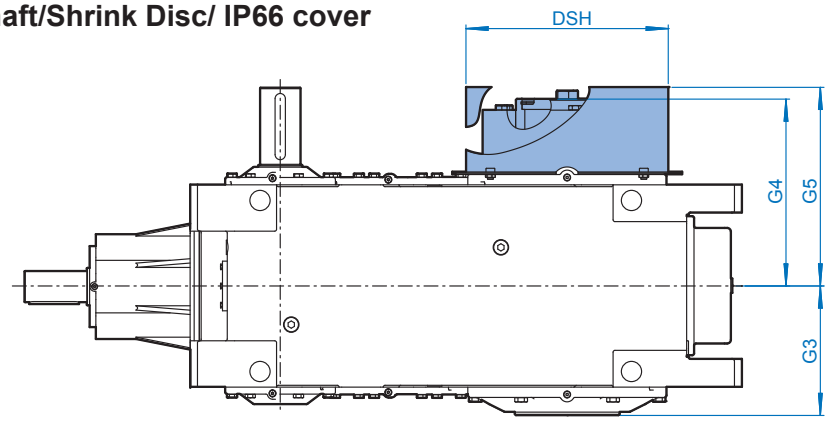
	DE	LE	LG	D0	lk
SK 7..07	N 130 x 5 x 30 x 24 - DIN 5480	85	394	ø 130	374
SK 8..07	N 130 x 5 x 30 x 24 - DIN 5480	85	394	ø 130	374
SK 9..07	N 140 x 3 x 30 x 45 - DIN 5480	100	506	ø 140	476
SK 10..07	N 140 x 3 x 30 x 45 - DIN 5480	100	506	ø 140	476
SK 11..07	N 170 x 5 x 30 x 32 - DIN 5480	160	560	ø 170	525
SK 12..07	N 190 x 5 x 30 x 36 - DIN 5480	190	630	ø 190	595
SK 13..07	N 220 x 5 x 30 x 42 - DIN 5480	215	706	ø 220	666
SK 14..07	N 220 x 5 x 30 x 42 - DIN 5480	215	706	ø 220	666
SK 15..07	N 250 x 5 x 30 x 48 - DIN 5480	245	790	ø 250	745

For Tolerance Info See ⇩ 48



H/H66 - Hollow Shaft/Shrink Disc/IP66 Cover B - Fixing Kit

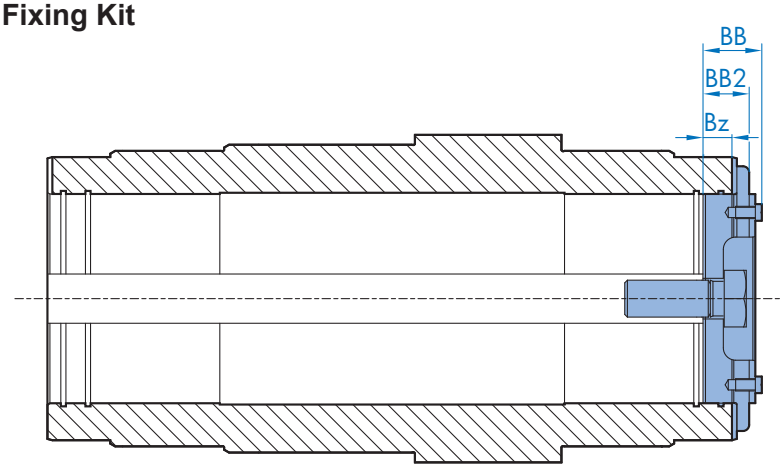
H/H66 - Hollow Shaft/Shrink Disc/ IP66 cover

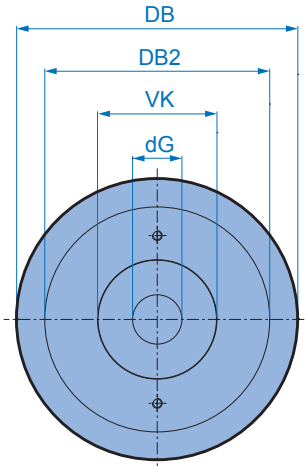


	DSH	G3	G4	G5
SK 7..07	ø 319	199	286	308
SK 8..07	ø 319	199	286	308
SK 9..07	ø 453	253	373	393
SK 10..07	ø 453	253	373	393
SK 11..07	ø 460	280	410	440
SK 12..07	ø 500	315	455	480
SK 13..07	ø 550	353	527	555
SK 14..07	ø 550	383	557	585
SK 15..07	ø 630	395	575	605

Other cover sizes available upon request

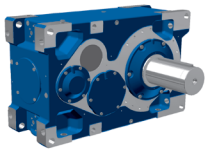
B - Fixing Kit



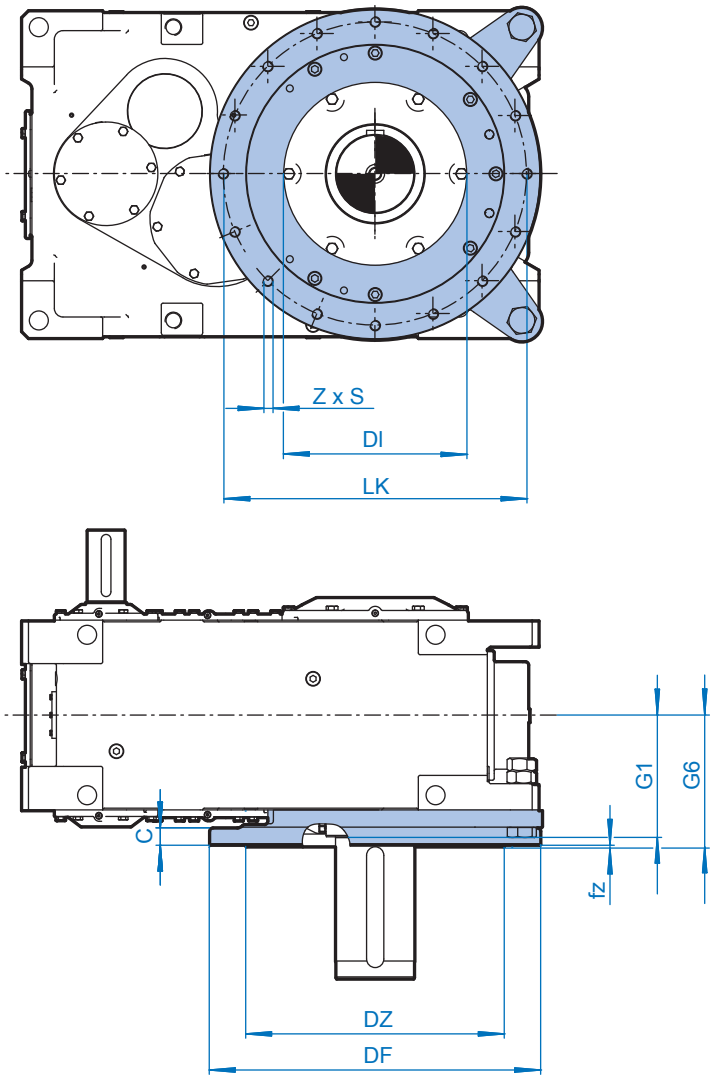


	DB	DB2	VK	BB	BB2	Bz	dG
SK 7..07	ø155	ø124.8	ø 49	27.0	22.0	10.0	ø26 (M24)
SK 8..07	ø155	ø124.8	ø 49	27.0	22.0	10.0	ø26 (M24)
SK 9..07	ø215	ø159.8	ø 100	42.5	27.5	15.5	ø33 (M30)
SK 10..07	ø215	ø159.8	ø 100	42.5	27.5	15.5	ø33 (M30)
SK 11..07	ø215	ø169.8	ø 100	42.5	37.5	27.5	ø33 (M30)
SK 12..07	ø235	ø189.8	ø 100	44.5	39.5	29.5	ø33 (M30)
SK 13..07	ø275	ø229.8	ø 100	56.5	51.5	36.5	ø52 (M48)
SK 14..07	ø275	ø229.8	ø 100	56.5	51.5	36.5	ø52 (M48)
SK 15..07	ø295	ø249.8	ø 100	56.5	51.5	36.5	ø52 (M48)

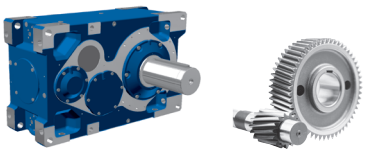
Other sizes available upon request



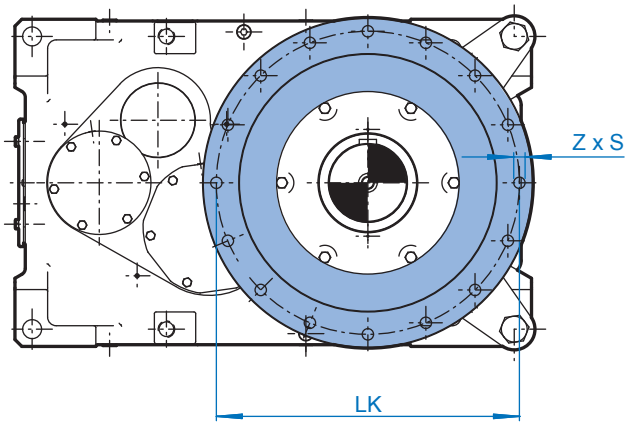
F - Low Output Flange

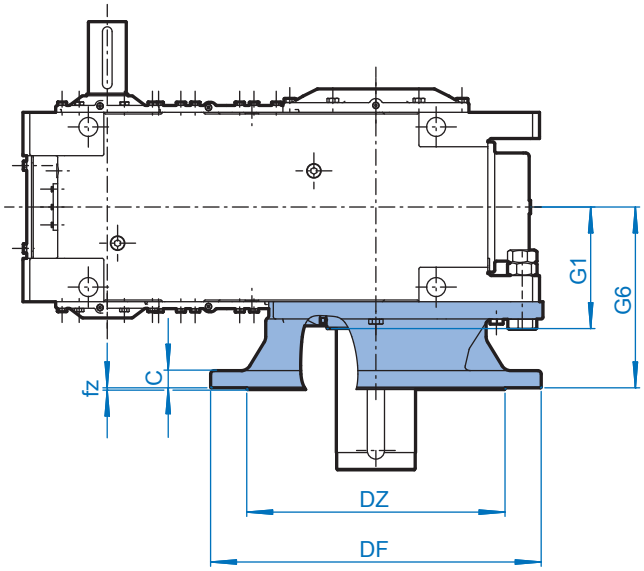


	DF	G1	G6	LK	DZ	DI	c	fz	z	s
SK 7..07	550	197	242	500	450	308	28	5	8	M16
SK 8..07	550	197	242	500	450	308	28	5	8	M16
SK 9..07	660	253	297.5	600	550	434	35	8	8	M24
SK 10..07	660	253	297.5	600	550	434	35	8	8	M24
SK 11..07	730	280	300	680	580	420	40	5	12	M24
SK 12..07	840	315	345	760	650	470	50	5	12	M30
SK 13..07	960	353	375	880	750	530	50	5	16	M30
SK 14..07	960	383	405	880	750	530	50	5	16	M30
SK 15..07	1100	395	440	980	900	600	60	10	16	M36

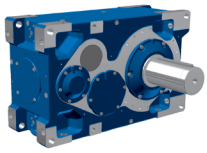


FK - High Output Flange

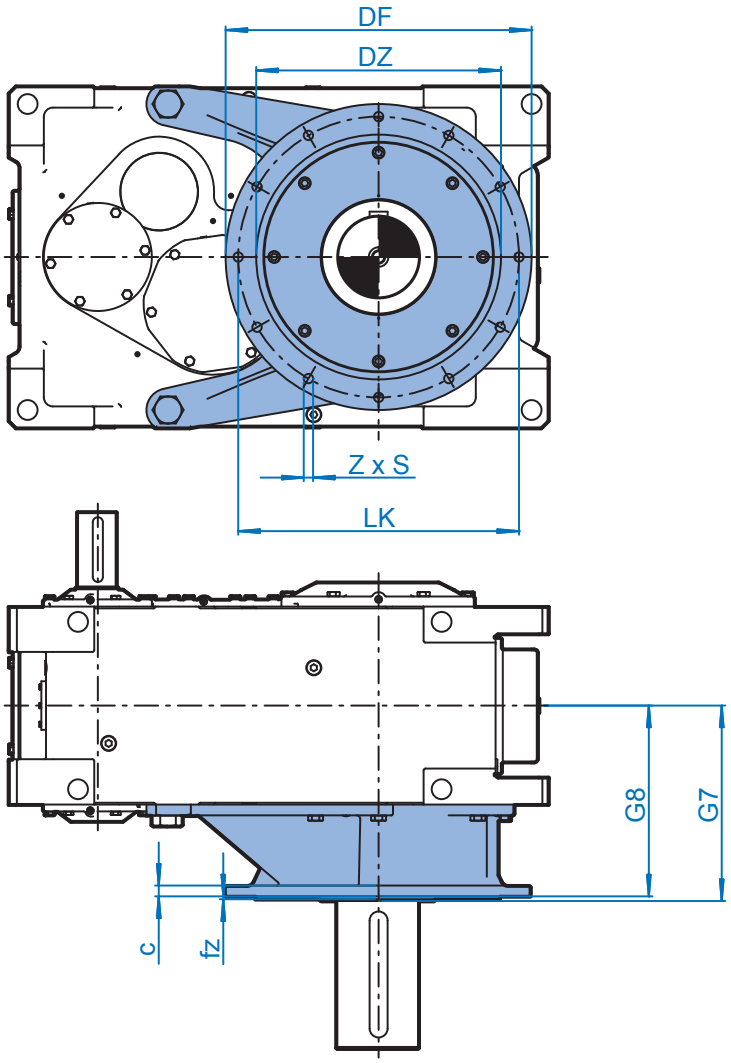




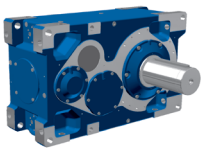
	DF	G1	G6	LK	DZ	DI	c	fz	z	s
SK 7..07	550	197	237	500	450	308	28	5	8	17.5
SK 8..07	550	197	237	500	450	308	28	5	8	17.5
SK 9..07	660	253	297.5	600	550	434	35	8	8	26
SK 10..07	660	253	297.5	600	550	434	35	8	8	26
SK 11..07	730	280	420	680	580	420	40	5	12	26
SK 12..07	840	315	470	760	650	470	50	5	12	33
SK 13..07	960	353	525	880	750	530	50	5	16	33
SK 14..07	---	---	---	---	---	---	---	---	---	---
SK 15..07	---	---	---	---	---	---	---	---	---	---



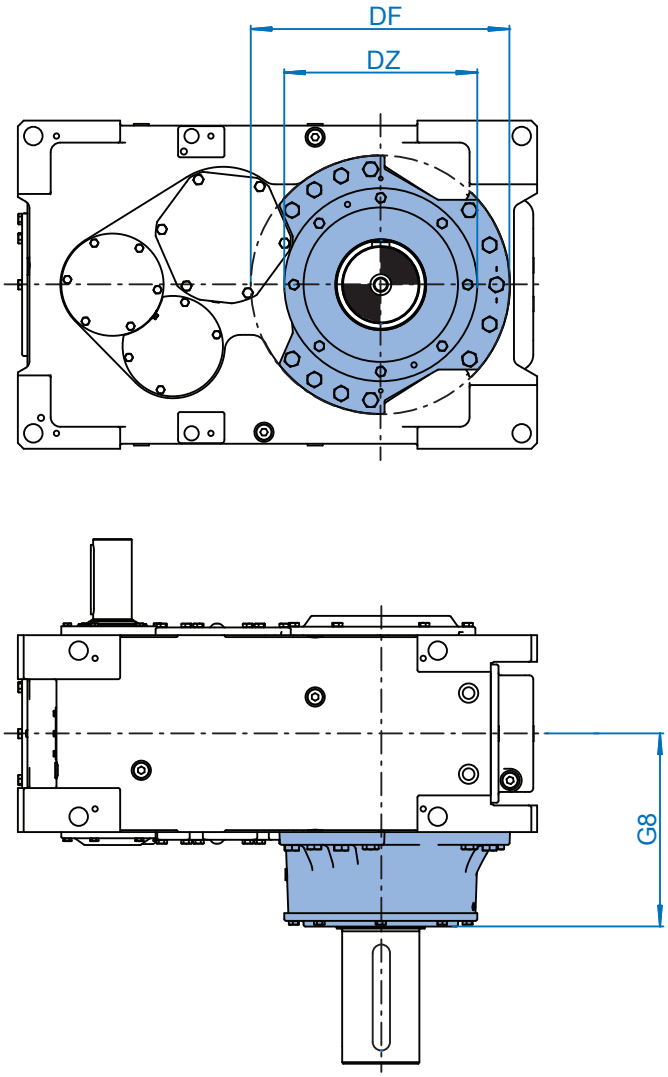
FVL2/FVL3/FVL4 - Agitator & Drywell Flange



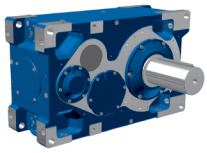
	G7	G8	DF	DZ	LK	fz	c	z	s
SK 7..07	485	477	660	550	600	6	28.5	8	22
SK 8..07	485	477	660	550	600	6	28.5	8	22
SK 9..07	517.5	509.5	660	550	600	8	35	8	26
SK 10..07	517.5	509.5	660	550	600	8	35	8	26
SK 11..07	450	440	675	540	620	5	40	10	22
	465	455	760	600	700	5	50	12	22
SK 12..07	485	470	760	600	700	5	50	12	22
SK 13..07	543	530	850	680	780	5	50	12	26
SK 14..07	575	560	850	680	780	5	50	12	26
SK 15..07	645	630	1000	800	930	8	60	16	33



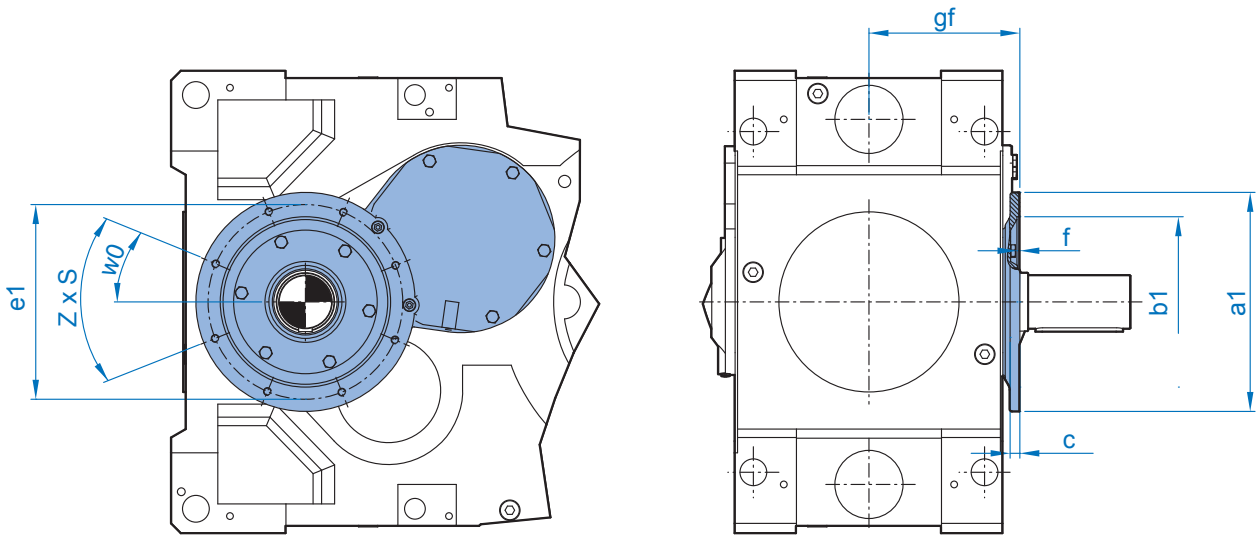
VL6 - Agitator Without Flange



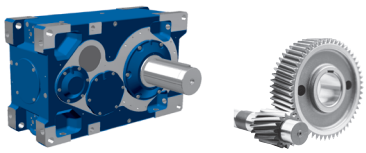
	G8	DF	DZ
SK 7..07	478	-	408
SK 8..07	478	-	408
SK 9..07	513.5	550	420
SK 10..07	513.5	550	420
SK 11..07	435.7	600	470
SK 12..07	501.7	669.5	500
SK 13..07	517	759.3	550
SK 14..07	547	759.3	550
SK 15..07	642	870	550



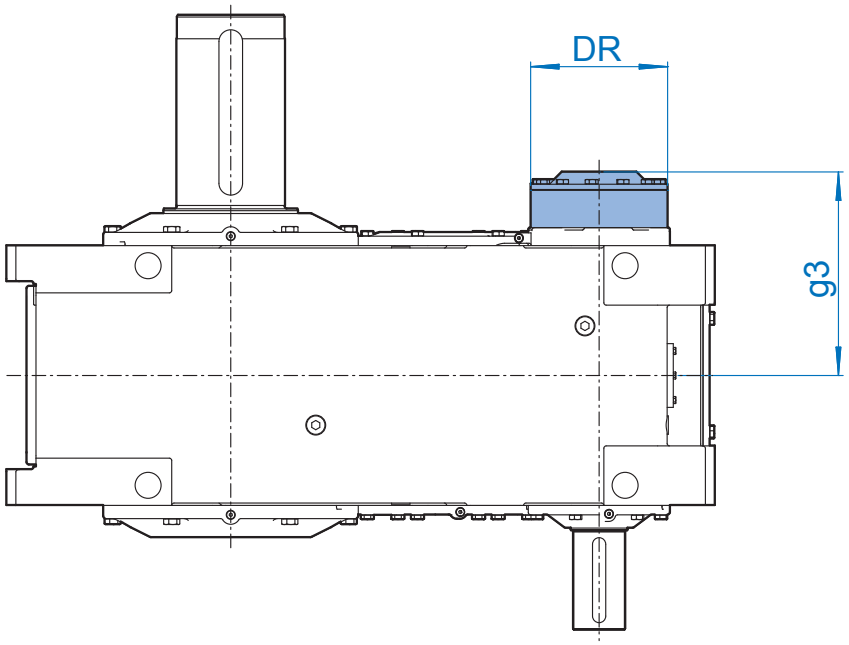
F1 - Input Flange



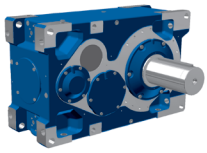
	gf	a1	b1	e1	c	f	w0°	z x s
SK 7..07	203.5	350	250	300	20	6	22.5	8 x M16
SK 8..07	203.5	350	250	300	20	6	22.5	8 x M16
SK 9..07	236	350	250	300	20	6	22.5	8 x M16
SK 10..07	236	350	250	300	20	6	22.5	8 x M16
SK 11..07	255	450	350	400	20	6.5	22.5 / 27.5	8 x M16
SK 12..07	290	550	450	500	25	6.5	21.5	8 x M16
SK 13..07	310	550	450	500	25	6.5	23	8 x M16
SK 14..07	Available Upon Request							
SK 15..07	370	550	450	500	25	6.5	24	8 x M16



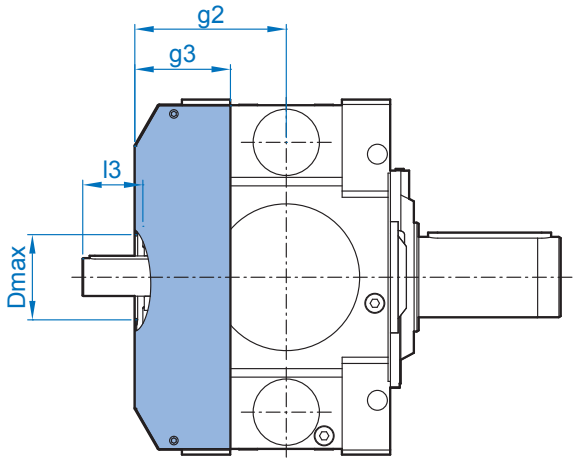
R - Backstop

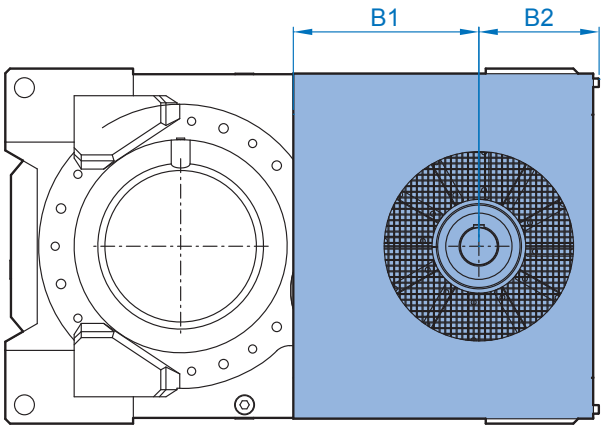


	i_N - Ratio	DR	g3
SK 7207	7.1 - 25	190	295
SK 7307	28 - 355	175	288
SK 8207	8 - 28	190	295
SK 8307	31.5 - 400	175	288
SK 9207	7.1 - 25	210	329.5
SK 9307	28 - 355	190	326.5
SK 10207	8 - 28	210	329.5
SK 10307	28 - 280	190	326.5
SK 11207	5.6 - 20	245	360
SK 11307	31.5 - 112	190	340
	22.4 - 28	210	350
SK 12207	5.6 - 20	290	415
SK 12307	22.4 - 112	210	385
SK 13207	5.6 - 20	290	431
SK 13307	22.4 - 112	210	410
SK 14207	7.1 - 25	310	470
SK 14307	28 - 140	210	445
SK 15207	5.6 - 20	400	510
SK 15307	22.4 - 112	290	485

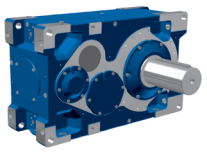


FAN - Fan



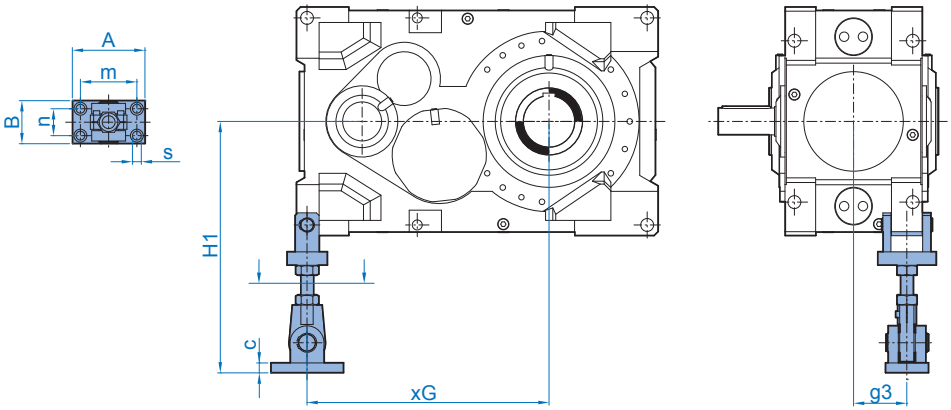


	i_N - Ratio	B1	B2	g1	g3	l3	Dmax
SK 7207	7.1 - 25	150	147	225	120	74	130
SK 7307	28 - 355	150	147	225	120	74	130
SK 8207	8 - 28	150	147	257.5	120	74	130
SK 8307	31.5 - 400	150	147	257.5	120	74	130
SK 9207	7.1 - 25	195	195	283	132	83	130
SK 9307	28 - 355	195	195	283	132	83	130
SK 10207	8 - 28	195	195	338	132	83	130
SK 10307	28 - 280	195	195	338	132	83	130
SK 11207	5.6 - 20	390	252	307	189	133	160
SK 11307	22.4 - 112	390	252	307	189	103	160
SK 12207	5.6 - 20	430	287	358	217	158	180
SK 12307	22.4 - 112	430	287	358	217	118	180
SK 13207	5.6 - 20	490	317	392	243	158	200
SK 13307	22.4 - 112	490	317	392	243	118	200
SK 14207	7.1 - 25	320	310	433	150	158	200
SK 14307	28 - 140	320	310	433	150	118	200
SK 15207	5.6 - 20	580	362	450	275	178	240
SK 15307	22.4 - 45	580	362	450	275	173	240
	50 - 112	580	362	450	275	103	240



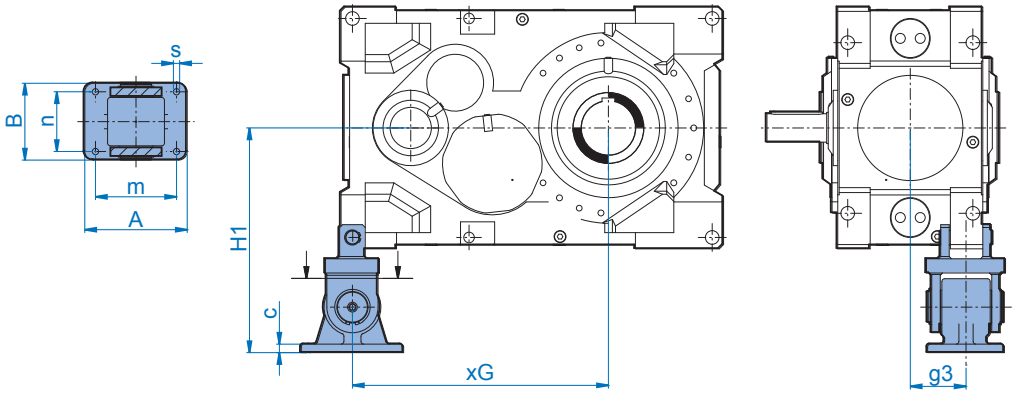
D - Torque Support
ED - Elastic Torque Support

D - Torque Support

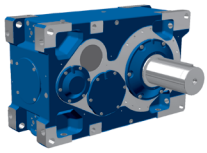


	H1max	H1min	xG	g3	c	A	B	m	n	s
SK 7..07	645	605	550	150.5	19	200	160	120	160	17.5
SK 8..07	675	635	575	150.5	19	200	160	120	160	17.5
SK 9..07	715	675	692.5	174	19	200	160	120	160	17.5
SK 10..07	765	710	722.5	174	19	200	160	120	160	17.5
SK 11..07	865	815	800	165	29	240	220	180	160	22
SK 12..07	935	885	900	195	29	290	250	220	180	26
SK 13..07	990	940	1005	210	29	290	250	220	180	26
SK 14..07	1080	1030	1060	240	39	330	300	250	220	33
SK 15..07	1120	1070	1200	247.5	39	330	300	250	220	33

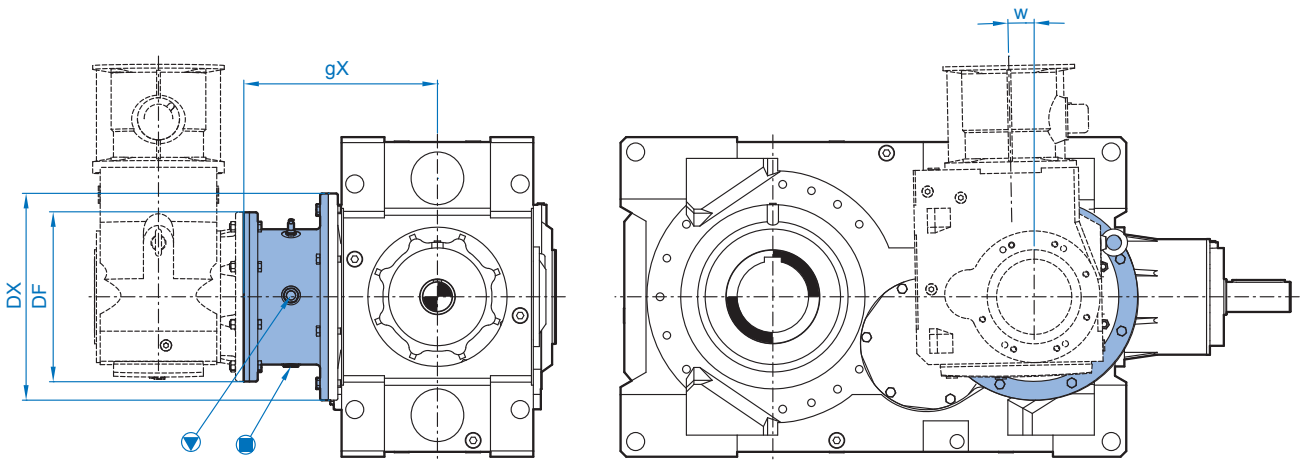
ED - Elastic Torque Support



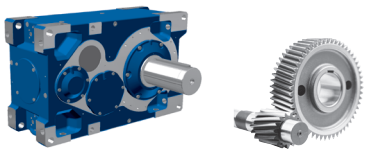
	H1	xG	g3	c	A	B	m	n	s
SK 7..07	490	550	150.5	21	200	160	160	120	22
SK 8..07	520	575	150.5	21	200	160	160	120	22
SK 9..07	655	692.5	174	25	260	200	190	140	22
SK 10..07	705	722.5	174	25	260	200	190	140	22
SK 11..07	740	800	167.5	30	360	270	285	210	22
SK 12..07	790	900	196	30	360	270	285	210	22
SK 13..07	890	1005	210	40	400	320	310	230	33
SK 14..07	940	1060	240	40	400	320	310	230	33
SK 15..07	980	1200	245.5	40	400	320	310	230	33



WX - Auxillary Drive

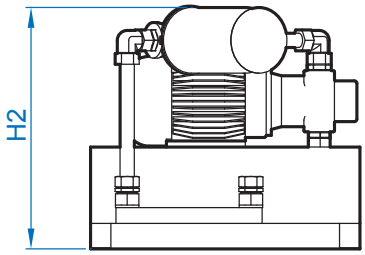


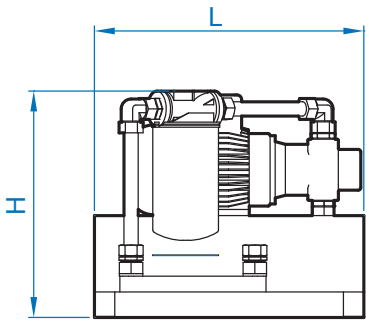
		DX	DF	gX	w
SK 7..07	SK 9022.1 VF	ø 350	ø 250	371.5	0°
	SK 9042.1 VF	ø 350	ø 350	371.5	0°
SK 8..07	SK 9022.1 VF	ø 350	ø 250	371.5	0°
	SK 9042.1 VF	ø 350	ø 350	371.5	0°
SK 9..07	SK 9032.1 VF	ø 350	ø 250	404	0°
	SK 9042.1 VF	ø 350	ø 350	404	0°
SK 10..07	SK 9032.1 VF	ø 350	ø 250	404	0°
	SK 9042.1 VF	ø 350	ø 350	404	0°
SK 11..07	SK 9052.1 VF	ø 450	ø 450	465	0°
	SK 9072.1 VF	ø 450	ø 450	445	0°
SK 12..07	SK 9072.1 VF	ø 550	ø 450	545	0°
	SK 9082.1 VF	ø 550	ø 450	515	0°
SK 13..07	SK 9072.1 VF	ø 550	ø 450	565	0°
	SK 9082.1 VF	ø 550	ø 450	535	0°
SK 14..07	SK 9072.1 VF	ø 550	ø 450	595	0°
	SK 9082.1 VF	ø 550	ø 450	565	0°
SK 15..07	SK 9082.1 VF	ø 550	ø 550	655	0°
	SK 9092.1 VF	ø 550	ø 660	620	0°

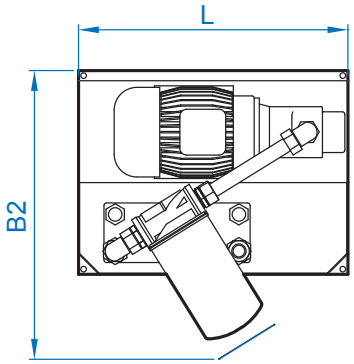


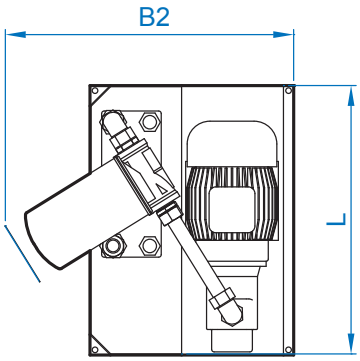
CS1 - Water Cooler

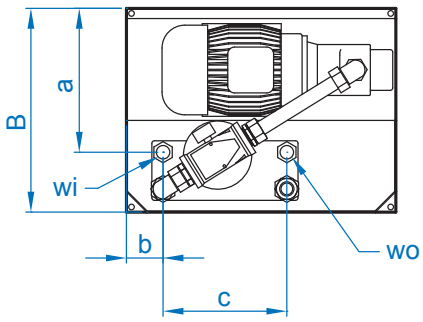
CS1 - Water Cooler



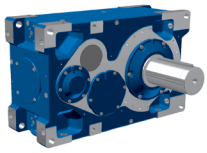




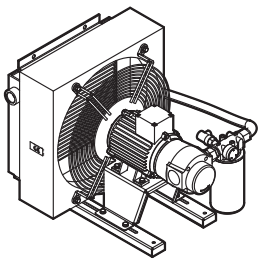


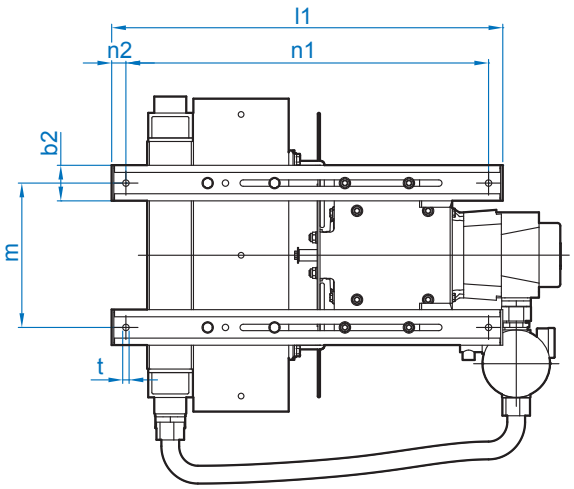


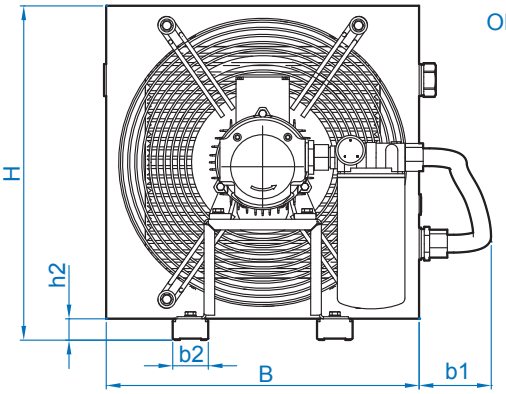
	L	B	B2	H	H2	a	b	c	wi	wo
A	480	420	500	400	430	250	80	278	G 1/2	G 1/2
B	520	394	530	431	450	287	175.5	234	G 3/4	G 3/4
C	520	394	530	431	450	287	175.5	234	G 3/4	G 3/4
D	530	450	570	450	480	282	70	243	G 3/4	G 3/4
E	530	450	570	450	480	282	70	243	G 3/4	G 3/4
F	530	450	570	450	480	282	70	243	G 3/4	G 3/4
G	600	550	650	500	530	340	50	320	G 1	G 1
H	600	550	650	500	530	340	50	320	G 1	G 1

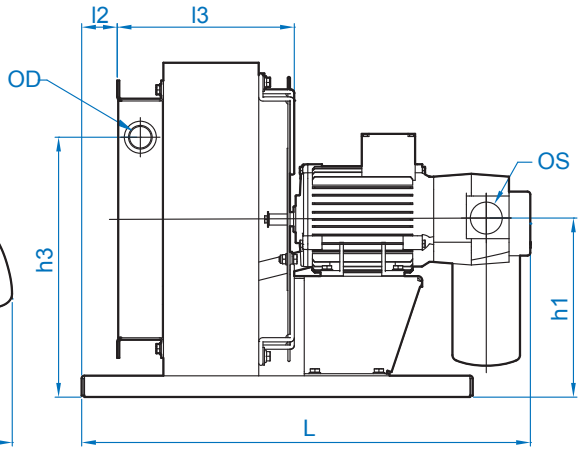


CS2 - Air Cooler

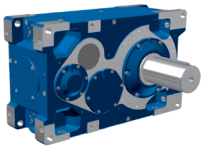






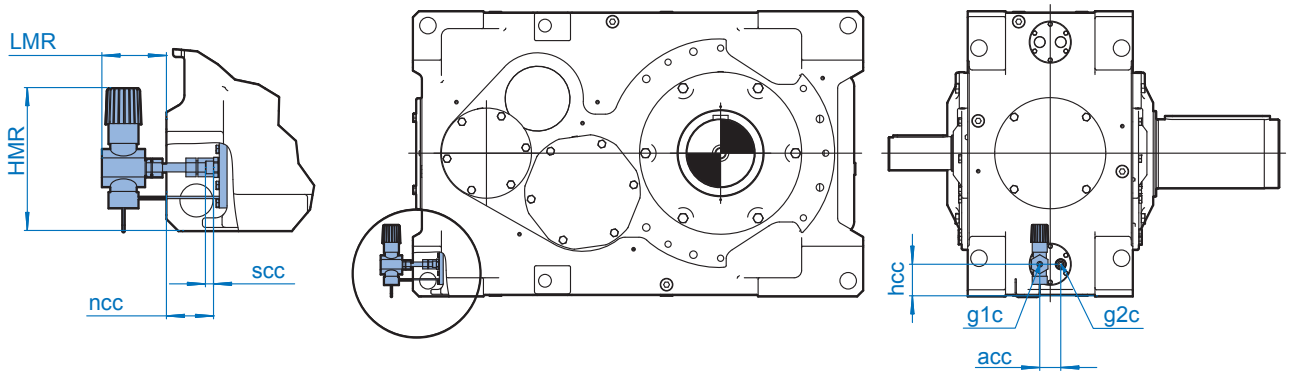


	L	l1	l2	l3	B	b1	b2	H	h1	h2	h3	n1	n2	m	t	os	od
A	755	560	43	173	330	137	30	355	185	15	330	525	15	160	Ø9	G 3/4"	G 3/4"
B	793	560	43	190	380	137	30	500	235	15	429	525	15	290	Ø9	G 3/4"	G 3/4"
C	793	560	43	190	380	137	30	500	235	15	429	525	15	290	Ø9	G 3/4"	G 3/4"
D	932	680	37	229	485	134	30	567	270	20	490	640	20	425	Ø8	G 1 1/2"	G 1"
E	932	680	37	229	485	134	30	567	270	20	490	640	20	425	Ø8	G 1 1/2"	G 1"
F	932	680	37	229	485	134	30	567	270	20	490	640	20	425	Ø8	G 1 1/2"	G 1"
G	1028	680	40	289	584	134	30	687	330	20	579	515	20	482	Ø9	G 1 1/2"	G 1 1/4"
H	1142	870	42	289	706	119	50	806	408	55	707	830	20	560	Ø12	G 1 1/2"	G 1 1/4"



CC - Internal Water Cooler
OH - Oil Heater

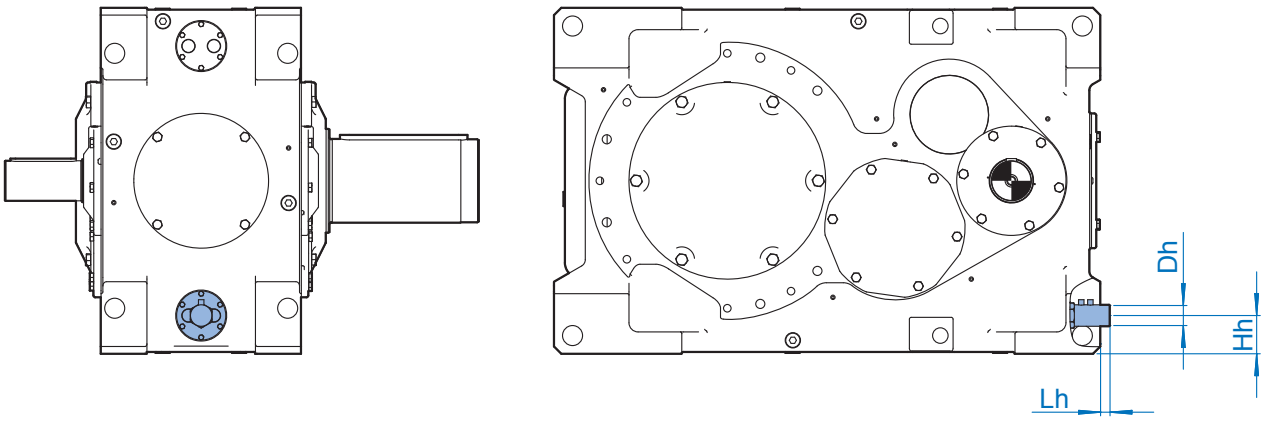
CC - Internal Water Cooler (Cooling Coil)



	g1c	g2c	scc	acc	hcc	ncc	HMR	LMR
SK 11..07	G 1/2	G 1/2	13	70	90	62	238	108
SK 12..07	G 1/2	G 1/2	13	70	110	70	238	108
SK 13..07	G 1/2	G 1/2	13	70	100	78	238	108
SK 14..07	G 1/2	G 1/2	13	70	95	85	238	108
SK 15..07	G 1/2	G 1/2	13	70	110	93	238	108

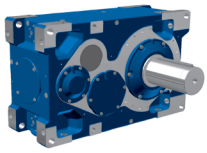
*** Other sizes available upon request**

OH - Oil Heater

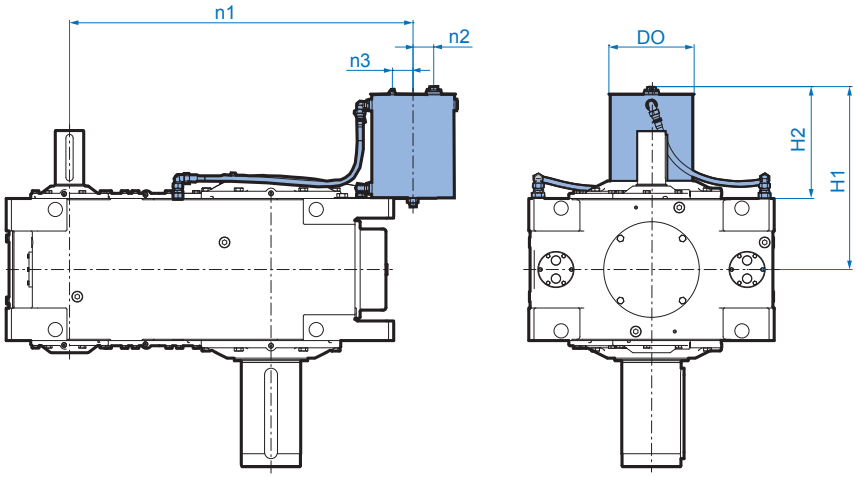


	Dh	Hh	Lh	1.0 kW	1.2 kW	1.4 kW	1.6 kW	2.0 kW
SK 11..07	ø 65	90	57	X	X			
SK 12..07	ø 65	110	49	X	X	X		
SK 13..07	ø 65	100	49		X	X	X	
SK 14..07	ø 65	95	39		X	X	X	
SK 15..07	ø 65	110	20		X	X	X	X

*** Other sizes available upon request**



OT - Oil Tank

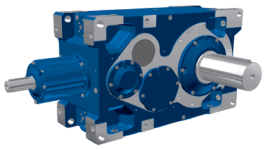


M5 / M6 Mounting	DO	HO	H1	H2	n1	n2	n3
SK 11..07	ø 190	400	645	425	1060	80	80
SK 12..07	ø 330	400	730	477	1185	80	80
SK 13..07	ø 330	400	810	535	1330	80	80
SK 14..07	Avaialble upon request						
SK 15..07	ø 330	400	965	636	1580	80	80

*** Other sizes available upon request**

DRIVESYSTEMS

Right-Angle Ratings



Structure of the Power Ratings Tables

Nominal Input Speed
The actual motor speeds depend on the size of the motor, and may differ

Nominal Output Speed
The Nominal Input Speed divided by the Nominal Ratio

Size of Gear Unit

Nom. Ratio i_N	Nominal Input Speed n_{1N} [rpm]	Nominal Output Speed n_{2N} [rpm]	SK 7407/ SK 7507 Rated Power P_N [kW]	SK 8407/ SK 8507 Rated Power P_N [kW]	SK 9407/ SK 9507 Rated Power P_N [kW]	SK 10407/ SK 10507 Rated Power P_N [kW]	SK 11407/ SK 11507 Rated Power P_N [kW]	SK 12407/ SK 12507 Rated Power P_N [kW]	SK 13407/ SK 13507 Rated Power P_N [kW]	SK 14407/ SK 14507 Rated Power P_N [kW]	SK 15407/ SK 15507 Rated Power P_N [kW]
20	1000	50	132	144	207	215	372	546	745	927	1,069
	1500	75	197	216	310	323	558	818	1,117	1,390	1,604
	1200	60	158	173	248	258	447	655	894	1,112	1,283
	1800	90	237	260	373	387	670	982	1,340	1,668	1,925

Nominal Ratio
Sized according to Standard Series

Nominal Output Power
with Service Factor (f_B) = 1,0

Structure of the Torque Rating Tables

Size of Gear Unit

Nom. Ratio i_N	SK 7407/ SK 7507 Output Torque M_{2max} [kNm]	SK 8407/ SK 8507 Output Torque M_{2max} [kNm]	SK 9407/ SK 9507 Output Torque M_{2max} [kNm]	SK 10407/ SK 10507 Output Torque M_{2max} [kNm]	SK 11407/ SK 11507 Output Torque M_{2max} [kNm]	SK 12407/ SK 12507 Output Torque M_{2max} [kNm]	SK 13407/ SK 13507 Output Torque M_{2max} [kNm]	SK 14407/ SK 14507 Output Torque M_{2max} [kNm]	SK 15407/ SK 15507 Output Torque M_{2max} [kNm]
80	26	31	43	51	75	107	144	207	230
90	26	31	43	52	75	107	144	213	245

Nominal Ratio
Sized according to Standard Series

SK 407 Units
Units shaded this color are Two Stage Units

Nominal Output Torque
with Service Factor (f_B) = 1,0

SK 507 Units
Units shaded this color are Three Stage Units

Structure of the Inertia Tables

Size of Gear Unit

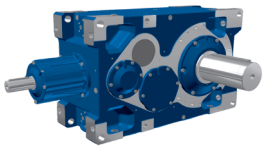
Nom. Ratio i_N	SK 7407/ SK 7507 Moments of Inertia j_1 kgm²	SK 8407/ SK 8507 Moments of Inertia j_1 kgm²	SK 9407/ SK 9507 Moments of Inertia j_1 kgm²	SK 10407/ SK 10507 Moments of Inertia j_1 kgm²	SK 11407/ SK 11507 Moments of Inertia j_1 kgm²	SK 12407/ SK 12507 Moments of Inertia j_1 kgm²	SK 13407/ SK 13507 Moments of Inertia j_1 kgm²	SK 14407/ SK 14507 Moments of Inertia j_1 kgm²	SK 15407/ SK 15507 Moments of Inertia j_1 kgm²
80	0,009	0,009	0,020	0,020	0,036	0,065	0,123	0,172	0,247
90	0,009	0,009	0,018	0,020	0,033	0,060	0,114	0,170	0,225

Nominal Ratio
Sized according to Standard Series

SK 407 Units
Units shaded this color are Two Stage Units

Moment of Inertia
Relative to the Input Shaft

SK 507 Units
Units shaded this color are Three Stage Units



Structure of the Exact Ratio Tables

Size of Gear Unit

Nom. Ratio i_N	SK 7407/ SK 7507 Exact Ratio i_{ges}	SK 8407/ SK 8507 Exact Ratio i_{ges}	SK 9407/ SK 9507 Exact Ratio i_{ges}	SK 10407/ SK 10507 Exact Ratio i_{ges}	SK 11407/ SK 11507 Exact Ratio i_{ges}	SK 12407/ SK 12507 Exact Ratio i_{ges}	SK 13407/ SK 13507 Exact Ratio i_{ges}	SK 14407/ SK 14507 Exact Ratio i_{ges}	SK 15407/ SK 15507 Exact Ratio i_{ges}
90	94,30	88,85	95,36	91,55	92,50	91,72	91,91	87,04	90,56
100	103,66	107,43	104,85	107,43	101,26	100,05	100,26	94,90	98,78

Nominal Ratio
Sized according to Standard Series

SK 407 Units
Units shaded this color are Two Stage Units

Exact Ratio

SK 507 Units
Units shaded this color are Three Stage Units

Structure of the Thermal Rating Tables

1) 2) (see explanation below)

Size of Gear Unit

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
20	---	$Pt_{0,20}$	167	178	246	304	286	346	454	---	644
	FAN	$P_{tF,20}$	41	38	55	57	56	74	86	---	122
	CC	$P_{tC,20}$	54	49	110	116	242	353	470	---	547

Nominal Ratio
Sized according to Standard Series

Cooling Type
--- : No Additional Cooling
FAN : Built in Fan Cooling
CC : Integrated Water Cooling

Thermal Power Limit 1) 2)
Without any additional thermal cooling at Ambient Temp,

Additional Thermal Power Limit 1) 2)
With Built in Fan at Ambient Temperature with nominal speed

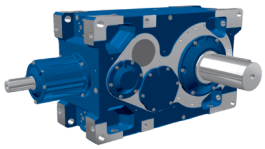
Additional Thermal Power Limit
With Integrated Water Cooling at Ambient Temperature

1) Standard ambient conditions

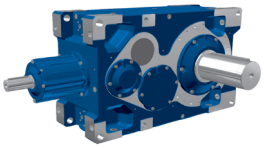
Ambient temperature:	20°C (68°F) or 40°C (104°F)
Air circulation at installation location	large hall with good air circulation (v_L = 4,92 ft/s or 1,5 m/s)
Installation:	Foundation steel sub-construction
Installation altitude:	≤ 3280ft (1000m) above sea level
Installation position	Horizontal installation (M1/M3 for 2-stage or M3 for 3 stage)
Type of lubrication:	Oil-splash lubrication
Cooling water inlet temperature	20°C (68°F) or 40°C (104°F)

2) Intermediate figures from 0° C to 50° C can be interpolated,

Right-Angle Unit
Nominal Power Ratings



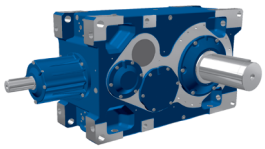
Nom. Ratio i_N	Nominal Input Speed n_{1N} [rpm]	Nominal Output Speed n_{2N} [rpm]	SK 7407/ SK 7507 Rated Power P_N [kW]	SK 8407/ SK 8507 Rated Power P_N [kW]	SK 9407/ SK 9507 Rated Power P_N [kW]	SK 10407/ SK 10507 Rated Power P_N [kW]	SK 11407/ SK 11507 Rated Power P_N [kW]	SK 12407/ SK 12507 Rated Power P_N [kW]	SK 13407/ SK 13507 Rated Power P_N [kW]	SK 14407/ SK 14507 Rated Power P_N [kW]	SK 15407/ SK 15507 Rated Power P_N [kW]
12,5	1000	80	---	---	---	---	511	711	843	---	1.196
	1500	120	---	---	---	---	767	1.067	1.265	---	1.793
	1200	96	---	---	---	---	614	854	1.012	---	1.435
	1800	144	---	---	---	---	921	1.280	1.518	---	2.152
14	1000	71	---	---	---	---	510	708	847	926	1.195
	1500	107	---	---	---	---	766	1.063	1.270	1.390	1.792
	1200	86	---	---	---	---	612	850	1.016	1.112	1.434
	1800	129	---	---	---	---	919	1.275	1.524	1.667	2.151
16	1000	63	---	---	---	---	449	641	844	935	1.177
	1500	94	---	---	---	---	673	962	1.266	1.402	1.766
	1200	75	---	---	---	---	538	770	1.013	1.122	1.413
	1800	113	---	---	---	---	807	1.154	1.520	1.683	2.119
18	1000	56	143	---	214	---	421	611	840	914	1.163
	1500	83	215	---	321	---	632	917	1.260	1.371	1.744
	1200	67	172	---	257	---	506	734	1.008	1.096	1.395
	1800	100	258	---	385	---	759	1.101	1.512	1.645	2.093
20	1000	50	132	144	207	215	372	546	745	929	1.069
	1500	75	197	216	310	323	558	818	1.117	1.393	1.604
	1200	60	158	173	248	258	447	655	894	1.115	1.283
	1800	90	237	260	373	387	670	982	1.340	1.672	1.925
22,4	1000	45	117	142	187	214	342	505	695	889	1.023
	1500	67	176	213	281	321	513	757	1.042	1.333	1.535
	1200	54	140	170	225	257	411	606	834	1.067	1.228
	1800	80	211	255	337	385	616	909	1.250	1.600	1.842
25	1000	40	106	120	171	195	296	434	588	846	896
	1500	60	158	180	257	293	443	651	882	1.269	1.343
	1200	48	127	144	206	235	355	521	705	1.015	1.075
	1800	72	190	216	309	352	532	781	1.058	1.523	1.612
28	1000	36	90	115	147	179	270	398	540	729	827
	1500	54	135	172	220	268	406	597	810	1.093	1.240
	1200	43	108	138	176	215	324	477	648	875	992
	1800	64	163	206	264	322	487	716	972	1.312	1.488
31,5	1000	32	83	95	134	153	245	358	470	676	746
	1500	48	124	143	201	230	368	537	705	1.013	1.119
	1200	38	99	114	161	184	294	429	564	811	895
	1800	57	99	114	161	184	294	429	564	811	895



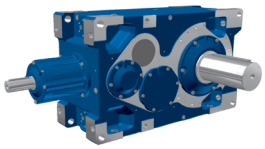
Right-Angle Unit
Nominal Power Ratings

Nom. Ratio i_N	Nominal Input Speed n_{1N} [rpm]	Nominal Output Speed n_{2N} [rpm]	SK 7407/ SK 7507 Rated Power P_N [kW]	SK 8407/ SK 8507 Rated Power P_N [kW]	SK 9407/ SK 9507 Rated Power P_N [kW]	SK 10407/ SK 10507 Rated Power P_N [kW]	SK 11407/ SK 11507 Rated Power P_N [kW]	SK 12407/ SK 12507 Rated Power P_N [kW]	SK 13407/ SK 13507 Rated Power P_N [kW]	SK 14407/ SK 14507 Rated Power P_N [kW]	SK 15407/ SK 15507 Rated Power P_N [kW]
35,5	1000	28	73	90	118	142	224	328	441	565	684
	1500	42	109	135	177	212	337	492	662	847	1.025
	1200	34	87	108	141	170	269	394	530	677	820
	1800	51	131	162	212	255	404	590	795	1.016	1.230
40	1000	25	66	76	108	124	194	281	373	523	584
	1500	38	100	114	162	186	291	421	559	785	877
	1200	30	80	91	129	149	232	337	447	628	701
	1800	45	120	137	194	223	349	505	671	942	1.052
45	1000	22	58	72	94	115	177	257	342	483	536
	1500	33	87	107	141	172	266	386	513	724	804
	1200	27	70	86	113	137	213	309	411	579	643
	1800	40	105	129	170	206	319	463	616	869	964
50	1000	20	53	61	86	100	153	220	296	403	458
	1500	30	80	91	129	150	229	329	444	605	687
	1200	24	64	73	103	120	183	264	355	484	549
	1800	36	95	110	155	181	275	395	533	726	824
56	1000	18	46	58	75	93	140	201	272	374	420
	1500	27	69	87	112	139	209	302	408	561	629
	1200	21	55	70	89	111	168	242	326	449	504
	1800	32	83	104	134	167	251	362	489	673	755
63	1000	16	42	49	68	80	120	172	230	320	359
	1500	24	63	73	102	120	179	258	345	480	538
	1200	19	51	58	82	96	143	207	276	384	431
	1800	29	76	87	123	144	215	310	414	576	646
71	1000	14	37	46	60	74	109	158	211	296	336
	1500	21	56	69	90	111	164	237	317	445	505
	1200	17	45	55	72	89	131	190	253	356	404
	1800	25	67	83	107	133	197	284	380	533	605
80	1000	13	34	39	55	64	99	143	194	248	311
	1500	19	51	58	82	97	149	214	290	372	467
	1200	15	41	46	66	77	119	171	232	297	373
	1800	23	62	70	98	116	179	257	349	446	560
90	1000	11	29	37	47	59	85	122	164	230	283
	1500	17	44	55	70	89	128	183	246	344	425
	1200	13	35	44	56	71	102	147	197	275	340
	1800	20	53	66	85	106	153	220	295	413	510

Right-Angle Unit
Nominal Power Ratings



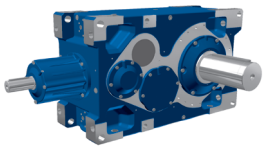
Nom. Ratio i_N	Nominal Input Speed n_{1N} [rpm]	Nominal Output Speed n_{2N} [rpm]	SK 7407/ SK 7507 Rated Power P_N [kW]	SK 8407/ SK 8507 Rated Power P_N [kW]	SK 9407/ SK 9507 Rated Power P_N [kW]	SK 10407/ SK 10507 Rated Power P_N [kW]	SK 11407/ SK 11507 Rated Power P_N [kW]	SK 12407/ SK 12507 Rated Power P_N [kW]	SK 13407/ SK 13507 Rated Power P_N [kW]	SK 14407/ SK 14507 Rated Power P_N [kW]	SK 15407/ SK 15507 Rated Power P_N [kW]
100	1000	10	27	30	43	51	78	112	150	210	270
	1500	15	40	45	64	76	117	168	226	315	405
	1200	12	32	36	52	61	93	134	180	252	324
	1800	18	48	55	77	91	140	202	271	378	487
112	1000	9	24	29	39	47	70	99	133	176	244
	1500	13	37	43	58	70	105	149	200	263	366
	1200	11	29	34	47	56	84	119	160	211	293
	1800	16	44	52	70	84	126	179	240	316	439
125	1000	8	22	25	36	42	64	91	122	163	224
	1500	12	33	38	53	63	96	137	184	244	335
	1200	10	27	30	43	50	77	109	147	195	268
	1800	14	22	24	37	44	63	89	119	293	217
140	1000	7	19	23	30	38	55	78	104	143	191
	1500	11	28	35	45	57	82	117	155	214	287
	1200	9	23	28	36	46	66	93	124	171	229
	1800	13	34	42	54	68	98	140	186	257	344
160	1000	6	17	19	28	31	50	71	95	132	175
	1500	9	26	28	41	46	75	107	143	198	263
	1200	8	21	22	33	37	60	86	114	159	210
	1800	11	31	33	50	55	90	129	171	238	315
180	1000	6	14	18	25	28	45	63	85	111	154
	1500	8	21	26	38	43	67	95	128	166	230
	1200	7	17	21	30	34	53	76	102	133	184
	1800	10	25	32	45	51	80	114	153	199	276
200	1000	5	14	14	23	25	41	58	78	102	141
	1500	8	21	21	35	37	61	87	117	154	211
	1200	6	17	17	28	30	49	70	94	123	169
	1800	9	25	25	42	45	73	104	141	184	253



Right-Angle Unit
Nominal Power Ratings

Nom. Ratio i_N	Nominal Input Speed n_{1N} [rpm]	Nominal Output Speed n_{2N} [rpm]	SK 7407/ SK 7507 Rated Power P_N [kW]	SK 8407/ SK 8507 Rated Power P_N [kW]	SK 9407/ SK 9507 Rated Power P_N [kW]	SK 10407/ SK 10507 Rated Power P_N [kW]	SK 11407/ SK 11507 Rated Power P_N [kW]	SK 12407/ SK 12507 Rated Power P_N [kW]	SK 13407/ SK 13507 Rated Power P_N [kW]	SK 14407/ SK 14507 Rated Power P_N [kW]	SK 15407/ SK 15507 Rated Power P_N [kW]
224	1000	4	12	14	21	24	35	50	66	91	120
	1500	7	19	20	31	37	52	74	99	136	180
	1200	5	15	16	25	29	42	59	79	109	144
	1800	8	22	24	37	44	63	89	119	163	217
250	1000	4	11	12	19	22	32	45	61	84	110
	1500	6	17	19	28	33	48	68	91	126	165
	1200	5	14	15	23	26	38	55	73	101	132
	1800	7	20	22	34	39	57	82	109	151	199
280	1000	4	10	12	16	20	28	39	53	70	96
	1500	5	14	18	24	30	41	58	80	105	144
	1200	4	12	14	19	24	33	47	64	84	115
	1800	6	17	21	29	36	50	70	96	127	173
315	1000	3	9	10	15	17	25	36	49	65	88
	1500	5	13	15	22	25	38	54	74	98	132
	1200	4	10	12	18	20	30	43	59	78	105
	1800	6	16	17	26	30	45	64	88	117	158
355	1000	3	8	9	13	15	22	31	41	57	75
	1500	4	12	14	20	23	32	46	62	85	113
	1200	3	9	11	16	18	26	37	50	68	90
	1800	5	14	16	24	27	39	55	75	102	135
400	1000	3	7	7	12	14	20	28	38	53	69
	1500	4	11	10	18	21	30	42	57	79	103
	1200	3	9	8	15	17	24	34	46	63	83
	1800	5	13	12	22	25	36	50	69	95	124
450	1000	2	---	7	---	13	---	---	---	---	---
	1500	3	---	10	---	19	---	---	---	---	---
	1200	3	---	8	---	15	---	---	---	---	---
	1800	4	---	12	---	23	---	---	---	---	---

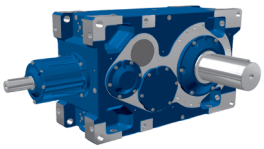
Right-Angle Unit
Nominal Output Torques



Nom. Ratio i_N	SK 7407/ SK 7507 Output Torque M_{2max} [kNm]	SK 8407/ SK 8507 Output Torque M_{2max} [kNm]	SK 9407/ SK 9507 Output Torque M_{2max} [kNm]	SK 10407/ SK 10507 Output Torque M_{2max} [kNm]	SK 11407/ SK 11507 Output Torque M_{2max} [kNm]	SK 12407/ SK 12507 Output Torque M_{2max} [kNm]	SK 13407/ SK 13507 Output Torque M_{2max} [kNm]	SK 14407/ SK 14507 Output Torque M_{2max} [kNm]	SK 15407/ SK 15507 Output Torque M_{2max} [kNm]
12,5	---	---	---	---	62	87	105	---	144
14	---	---	---	---	68	95	115	124	157
16	---	---	---	---	70	100	129	134	181
18	24	---	36	---	72	104	140	157	195
20	24	27	38	41	72	106	142	170	204
22,4	25	29	40	45	73	107	145	193	213
25	25	29	40	47	74	107	145	186	218
28	25	29	40	47	74	107	145	198	219
31,5	25	29	41	48	74	107	139	189	220
35,5	25	30	41	48	74	107	143	203	220
40	25	30	41	49	75	107	142	194	220
45	25	30	41	49	75	107	143	197	220
50	25	30	42	50	75	107	143	205	220
56	26	30	42	50	75	107	143	202	220
63	26	31	42	51	75	107	143	188	220
71	26	31	42	51	75	107	143	203	225
80	26	31	43	51	75	107	144	207	230
90	26	31	43	52	75	107	144	213	245
100	26	31	43	52	75	107	144	206	255
112	27	31	43	52	75	107	144	186	260
125	27	31	43	53	75	107	144	200	260
140	27	30	44	52	76	107	144	193	260
160	27	30	44	50	76	107	145	208	260
180	24	30	44	51	76	107	145	188	260
200	27	27	44	49	76	107	145	203	260
224	27	29	45	53	76	107	145	195	260
250	27	30	45	53	76	107	145	210	260
280	27	31	45	53	76	107	145	197	260
315	27	31	45	53	76	107	145	212	260
355	27	31	46	53	76	107	146	191	260
400	27	27	46	53	76	107	146	206	260
450	---	28	---	53	---	---	---	---	---

SK ..407 Units

SK ..507 Units



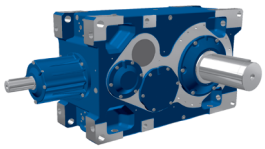
Right-Angle Unit Moments of Inertia

Nom. Ratio i_N	SK 7407/ SK 7507 Moments of Inertia j_1 kgm²	SK 8407/ SK 8507 Moments of Inertia j_1 kgm²	SK 9407/ SK 9507 Moments of Inertia j_1 kgm²	SK 10407/ SK 10507 Moments of Inertia j_1 kgm²	SK 11407/ SK 11507 Moments of Inertia j_1 kgm²	SK 12407/ SK 12507 Moments of Inertia j_1 kgm²	SK 13407/ SK 13507 Moments of Inertia j_1 kgm²	SK 14407/ SK 14507 Moments of Inertia j_1 kgm²	SK 15407/ SK 15507 Moments of Inertia j_1 kgm²
12,5	---	---	---	---	0,501	0,819	1,290	---	3,360
14	---	---	---	---	0,492	0,806	1,270	1,640	3,310
16	---	---	---	---	0,417	0,683	1,100	1,580	2,750
18	0,067	---	0,159	---	0,412	0,676	1,080	1,320	2,720
20	0,066	0,071	0,157	0,166	0,375	0,612	0,966	1,280	2,400
22,4	0,059	0,069	0,137	0,163	0,371	0,607	0,957	1,120	2,380
25	0,059	0,061	0,136	0,142	0,329	0,538	0,841	1,100	2,050
28	0,024	0,060	0,059	0,140	0,327	0,535	0,835	0,983	2,040
31,5	0,024	0,026	0,058	0,062	0,177	0,267	0,351	0,967	0,895
35,5	0,021	0,025	0,051	0,061	0,175	0,265	0,348	0,853	0,886
40	0,021	0,022	0,050	0,053	0,158	0,237	0,299	0,844	0,748
45	0,019	0,022	0,046	0,052	0,157	0,236	0,297	0,390	0,743
50	0,019	0,019	0,045	0,047	0,059	0,111	0,179	0,332	0,413
56	0,010	0,019	0,022	0,046	0,058	0,110	0,178	0,327	0,410
63	0,010	0,010	0,022	0,023	0,051	0,099	0,159	0,197	0,358
71	0,009	0,010	0,020	0,022	0,051	0,099	0,158	0,194	0,356
80	0,009	0,009	0,020	0,020	0,036	0,065	0,123	0,172	0,247
90	0,009	0,009	0,018	0,020	0,033	0,060	0,114	0,170	0,225
100	0,009	0,009	0,018	0,018	0,032	0,059	0,114	0,169	0,224
112	0,004	0,009	0,011	0,018	0,027	0,050	0,097	0,162	0,183
125	0,004	0,004	0,011	0,011	0,026	0,050	0,097	0,161	0,182
140	0,004	0,004	0,010	0,011	0,025	0,048	0,093	0,141	0,174
160	0,004	0,004	0,010	0,010	0,025	0,047	0,093	0,140	0,173
180	0,003	0,004	0,010	0,010	0,022	0,043	0,086	0,137	0,152
200	0,003	0,003	0,010	0,010	0,022	0,043	0,085	0,137	0,152
224	0,003	0,003	0,009	0,010	0,022	0,042	0,084	0,129	0,148
250	0,003	0,003	0,009	0,009	0,022	0,042	0,084	0,129	0,148
280	0,003	0,003	0,008	0,009	0,020	0,038	0,078	0,128	0,131
315	0,003	0,003	0,008	0,008	0,020	0,038	0,078	0,127	0,131
355	0,003	0,003	0,008	0,008	0,019	0,038	0,077	0,120	0,130
400	0,003	0,003	0,008	0,008	0,019	0,038	0,077	0,120	0,130
450	---	0,003	---	0,008	---	---	---	---	---

SK ..407 Units

SK ..507 Units

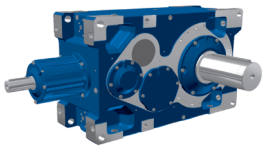
Right-Angle Unit
Exact Ratio



Nom. Ratio i_N	SK 7407/ SK 7507 Exact Ratio i_{ges}	SK 8407/ SK 8507 Exact Ratio i_{ges}	SK 9407/ SK 9507 Exact Ratio i_{ges}	SK 10407/ SK 10507 Exact Ratio i_{ges}	SK 11407/ SK 11507 Exact Ratio i_{ges}	SK 12407/ SK 12507 Exact Ratio i_{ges}	SK 13407/ SK 13507 Exact Ratio i_{ges}	SK 14407/ SK 14507 Exact Ratio i_{ges}	SK 15407/ SK 15507 Exact Ratio i_{ges}
12,5	---	---	---	---	12,74	12,81	13,04	---	12,61
14	---	---	---	---	13,95	13,97	14,22	14,02	13,76
16	---	---	---	---	16,34	16,33	16,00	15,12	16,10
18	17,52	---	17,72	---	17,89	17,81	17,45	17,76	17,56
20	19,26	19,96	19,48	19,96	20,35	20,25	20,04	19,16	19,98
22,4	22,09	21,20	22,35	21,86	22,27	22,09	21,86	21,80	21,79
25	24,30	25,18	24,56	25,18	26,04	25,82	25,87	23,52	25,49
28	28,53	26,76	28,85	27,56	28,50	28,16	28,22	27,30	27,81
31,5	31,36	32,50	31,72	32,50	31,46	31,31	30,99	29,45	30,89
35,5	35,97	34,53	36,40	35,59	34,45	34,16	33,80	35,24	33,70
40	39,57	41,01	40,00	41,01	40,26	39,92	40,01	38,02	39,42
45	45,45	43,57	45,95	44,89	44,08	43,55	43,64	41,21	43,00
50	49,96	51,78	50,51	51,78	51,25	51,01	50,48	49,31	50,33
56	58,09	55,02	58,79	56,70	56,11	55,64	55,07	53,20	54,90
63	63,90	66,23	64,60	66,23	65,59	65,04	65,17	62,22	64,21
71	73,39	70,36	74,21	72,49	71,80	70,94	71,09	67,13	70,05
80	80,67	83,62	81,57	83,62	79,13	78,46	77,66	80,33	77,42
90	94,30	88,85	95,36	91,55	92,50	91,72	91,91	86,67	90,56
100	103,66	107,43	104,85	107,43	101,26	100,05	100,26	94,67	98,78
112	114,10	114,14	116,35	117,65	113,11	112,83	113,14	113,28	111,66
125	125,47	130,05	127,88	131,07	123,83	123,08	123,42	122,22	121,80
140	148,13	138,15	151,28	143,51	144,75	143,87	146,08	139,45	142,47
160	162,86	168,79	166,30	170,43	158,47	156,94	159,35	150,46	155,41
180	182,45	179,35	182,86	186,63	178,17	177,31	177,88	180,04	177,34
200	200,62	207,90	200,99	205,98	195,05	193,41	194,04	194,25	193,45
224	226,60	220,87	227,29	225,57	228,01	226,08	229,66	219,24	226,28
250	249,18	258,22	249,83	256,05	249,61	246,62	250,52	236,54	246,83
280	294,18	274,38	295,57	280,39	289,22	287,82	284,85	283,06	283,98
315	323,47	335,21	324,86	332,92	316,62	313,96	310,73	305,40	309,77
355	362,29	356,15	357,22	364,58	370,12	366,99	367,77	351,08	362,35
400	398,37	412,85	392,65	402,38	405,18	400,33	401,17	378,79	395,26
450	---	438,67	---	440,63	---	---	---	---	---

SK ..407 Units

SK ..507 Units



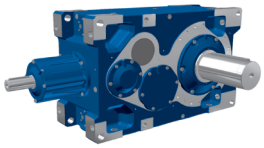
Right-Angle Thermal Ratings M1/M3 Mounting - 1000 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0,20}$	---	---	---	---	202	203	303	---	309
	FAN	$P_{tF,20}$	---	---	---	---	121	158	212	---	314
	CC	$P_{tC,20}$	---	---	---	---	246	360	503	---	578
14	---	$Pt_{0,20}$	---	---	---	---	195	194	294	330	302
	FAN	$P_{tF,20}$	---	---	---	---	115	149	203	233	300
	CC	$P_{tC,20}$	---	---	---	---	234	339	481	483	553
16	---	$Pt_{0,20}$	---	---	---	---	198	207	311	326	354
	FAN	$P_{tF,20}$	---	---	---	---	112	146	199	227	290
	CC	$P_{tC,20}$	---	---	---	---	227	333	473	472	535
18	---	$Pt_{0,20}$	113	---	165	---	191	198	300	337	341
	FAN	$P_{tF,20}$	56	---	84	---	107	138	190	211	275
	CC	$P_{tC,20}$	41	---	88	---	217	315	452	440	509
20	---	$Pt_{0,20}$	110	119	158	188	191	205	306	345	364
	FAN	$P_{tF,20}$	55	56	80	91	104	136	182	204	264
	CC	$P_{tC,20}$	39	37	83	87	211	310	435	426	489
22,4	---	$Pt_{0,20}$	108	127	160	180	183	195	294	337	349
	FAN	$P_{tF,20}$	53	60	79	87	99	128	174	198	251
	CC	$P_{tC,20}$	38	39	83	83	201	292	416	413	465
25	---	$Pt_{0,20}$	105	113	153	182	179	196	288	333	359
	FAN	$P_{tF,20}$	51	52	75	86	94	123	163	187	237
	CC	$P_{tC,20}$	37	35	79	82	192	282	390	391	441
28	---	$Pt_{0,20}$	95	121	144	173	172	186	277	325	344
	FAN	$P_{tF,20}$	45	56	68	82	90	116	156	182	226
	CC	$P_{tC,20}$	32	37	70	78	184	266	373	380	419
31,5	---	$Pt_{0,20}$	93	99	138	163	165	181	285	312	386
	FAN	$P_{tF,20}$	43	45	64	73	81	100	139	168	199
	CC	$P_{tC,20}$	31	29	67	70	166	231	332	353	372
35,5	---	$Pt_{0,20}$	90	106	138	156	159	173	275	304	371
	FAN	$P_{tF,20}$	42	47	64	70	78	95	133	164	191
	CC	$P_{tC,20}$	30	31	66	67	159	219	319	342	356
40	---	$Pt_{0,20}$	88	94	132	156	155	171	264	315	364
	FAN	$P_{tF,20}$	41	42	61	69	75	93	126	149	183
	CC	$P_{tC,20}$	30	28	63	66	153	213	303	312	341

20°C = 68°F

Nominal speed for all FAN ratings = 1000 rpm

Right-Angle Thermal Ratings
M1/M3 Mounting - 1000 rpm @ 20ºC

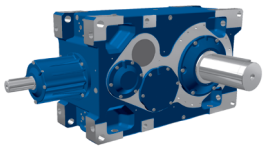


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.20}$	85	101	129	149	149	163	255	298	349
	FAN	$P_{tF.20}$	39	45	59	66	72	88	121	139	175
	CC	$P_{tC.20}$	28	30	61	63	147	203	291	293	326
50	---	$Pt_{0.20}$	83	88	123	145	136	163	191	291	266
	FAN	$P_{tF.20}$	38	39	56	64	61	78	94	136	133
	CC	$P_{tC.20}$	28	26	59	61	125	180	227	285	250
56	---	$Pt_{0.20}$	84	94	119	139	131	156	186	266	258
	FAN	$P_{tF.20}$	36	42	51	61	59	74	91	119	128
	CC	$P_{tC.20}$	26	28	54	58	120	172	220	250	242
63	---	$Pt_{0.20}$	82	87	114	134	127	153	180	260	253
	FAN	$P_{tF.20}$	35	36	49	56	57	73	87	116	124
	CC	$P_{tC.20}$	25	24	51	53	116	168	211	244	234
71	---	$Pt_{0.20}$	79	93	112	128	123	147	175	246	245
	FAN	$P_{tF.20}$	34	38	48	53	55	69	84	110	120
	CC	$P_{tC.20}$	24	25	50	51	112	160	204	230	226
80	---	$Pt_{0.20}$	77	81	107	125	101	127	151	240	194
	FAN	$P_{tF.20}$	33	33	46	52	47	60	76	107	104
	CC	$P_{tC.20}$	24	22	48	50	95	138	183	224	195
90	---	$Pt_{0.20}$	73	87	103	120	98	124	145	195	190
	FAN	$P_{tF.20}$	31	36	44	50	45	58	73	95	101
	CC	$P_{tC.20}$	22	24	46	47	91	134	175	199	189
100	---	$Pt_{0.20}$	71	75	99	115	95	119	142	185	184
	FAN	$P_{tF.20}$	30	31	42	48	43	56	71	89	98
	CC	$P_{tC.20}$	22	20	44	45	88	128	170	187	183
112	---	$Pt_{0.20}$	57	80	86	110	96	122	143	181	188
	FAN	$P_{tF.20}$	24	33	37	46	43	57	70	88	98
	CC	$P_{tC.20}$	18	22	39	43	88	130	168	183	183
125	---	$Pt_{0.20}$	55	59	83	96	93	117	139	180	183
	FAN	$P_{tF,20}$	24	24	36	40	42	54	68	86	94
	CC	$P_{tC.20}$	17	16	37	38	85	124	163	179	177
140	---	$Pt_{0.20}$	53	62	80	92	89	113	133	176	178
	FAN	$P_{tF.20}$	23	26	34	38	40	52	65	84	91
	CC	$P_{tC.20}$	16	17	36	37	81	120	155	175	172

20°C = 68°F

Nominal speed for all FAN ratings = 1000 rpm



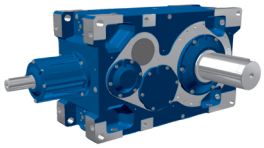
Right-Angle Thermal Ratings M1/M3 Mounting - 1000 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
160	---	$Pt_{0.20}$	52	55	77	89	87	109	129	166	173
	FAN	$P_{tF.20}$	22	23	33	37	39	50	63	78	89
	CC	$P_{tC.20}$	16	15	34	35	79	115	151	164	166
180	---	$Pt_{0.20}$	52	58	75	86	85	107	127	162	169
	FAN	$P_{tF.20}$	22	24	32	35	38	49	61	77	85
	CC	$P_{tC.20}$	16	16	33	34	77	113	147	160	160
200	---	$Pt_{0.20}$	50	54	72	84	82	103	123	158	164
	FAN	$P_{tF.20}$	22	22	31	35	36	47	59	74	83
	CC	$P_{tC.20}$	16	15	32	33	74	108	143	155	155
224	---	$Pt_{0.20}$	49	57	74	81	79	100	118	155	159
	FAN	$P_{tF.20}$	21	24	31	33	35	45	56	73	80
	CC	$P_{tC.20}$	15	16	33	32	71	104	135	152	150
250	---	$Pt_{0.20}$	48	51	71	82	76	96	115	145	154
	FAN	$P_{tF.20}$	20	21	30	34	34	44	55	68	77
	CC	$P_{tC.20}$	15	14	31	32	68	100	131	141	145
280	---	$Pt_{0.20}$	46	54	68	79	72	91	109	142	146
	FAN	$P_{tF.20}$	20	22	29	33	32	41	52	66	73
	CC	$P_{tC.20}$	14	15	30	31	65	95	125	138	137
315	---	$Pt_{0.20}$	45	48	65	75	70	88	106	131	142
	FAN	$P_{tF.20}$	19	20	28	31	31	40	50	62	71
	CC	$P_{tC.20}$	14	13	29	30	63	91	121	129	133
355	---	$Pt_{0.20}$	45	51	64	72	67	85	101	128	138
	FAN	$P_{tF.20}$	19	21	27	30	29	38	48	61	68
	CC	$P_{tC.20}$	14	14	28	28	60	88	115	127	128
400	---	$Pt_{0.20}$	44	46	61	71	65	81	98	128	134
	FAN	$P_{tF.20}$	19	19	26	29	28	37	47	61	66
	CC	$P_{tC.20}$	13	13	27	28	58	84	112	127	124
450	---	$Pt_{0.20}$	---	49	---	68	---	---	---	---	---
	FAN	$P_{tF.20}$	---	20	---	28	---	---	---	---	---
	CC	$P_{tC.20}$	---	13	---	27	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1000 rpm

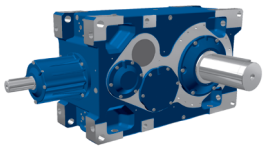
Right-Angle Thermal Ratings
M1/M3 Mounting - 1000 rpm @ 40ºC



Nom. Ratio	Cooling Type		SK 7407/ SK 7507 Thermal Power	SK 8407/ SK 8507 Thermal Power	SK 9407/ SK 9507 Thermal Power	SK 10407/ SK 10507 Thermal Power	SK 11407/ SK 11507 Thermal Power	SK 12407/ SK 12507 Thermal Power	SK 13407/ SK 13507 Thermal Power	SK 14407/ SK 14507 Thermal Power	SK 15407/ SK 15507 Thermal Power
i_N			P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]
12,5	---	$Pt_{0.40}$	---	---	---	---	142	125	198	---	147
	FAN	$P_{tF.40}$	---	---	---	---	97	129	175	---	267
	CC	$P_{tC.20}$	---	---	---	---	253	372	523	---	614
14	---	$Pt_{0.40}$	---	---	---	---	138	121	193	214	148
	FAN	$P_{tF.40}$	---	---	---	---	93	122	167	192	255
	CC	$P_{tC.20}$	---	---	---	---	242	351	500	505	586
16	---	$Pt_{0.40}$	---	---	---	---	143	136	213	212	210
	FAN	$P_{tF.40}$	---	---	---	---	90	118	163	188	241
	CC	$P_{tC.20}$	---	---	---	---	234	344	491	493	562
18	---	$Pt_{0.40}$	86	---	125	---	138	131	206	232	204
	FAN	$P_{tF.40}$	45	---	67	---	86	112	156	173	229
	CC	$P_{tC.20}$	42	---	91	---	224	326	469	458	534
20	---	$Pt_{0.40}$	84	91	120	143	140	139	216	244	234
	FAN	$P_{tF.40}$	44	45	64	73	83	110	149	167	217
	CC	$P_{tC.20}$	41	38	86	90	217	320	450	442	511
22,4	---	$Pt_{0.40}$	83	97	122	137	135	133	208	239	225
	FAN	$P_{tF.40}$	42	48	63	69	79	104	142	162	207
	CC	$P_{tC.20}$	40	41	85	86	207	301	430	429	486
25	---	$Pt_{0.40}$	81	87	117	140	133	136	209	241	243
	FAN	$P_{tF.40}$	41	42	60	69	76	99	133	153	194
	CC	$P_{tC.20}$	38	36	81	85	198	290	403	406	459
28	---	$Pt_{0.40}$	74	93	112	133	128	130	201	236	233
	FAN	$P_{tF.40}$	36	45	54	65	72	94	127	148	185
	CC	$P_{tC.20}$	33	38	73	81	189	274	386	394	437
31,5	---	$Pt_{0.40}$	72	77	108	127	126	133	218	229	290
	FAN	$P_{tF.40}$	35	35	51	59	65	80	112	137	162
	CC	$P_{tC.20}$	32	30	69	72	170	237	301	365	385
35,5	---	$Pt_{0.40}$	70	82	108	122	121	127	210	223	279
	FAN	$P_{tF.40}$	34	38	51	56	62	76	108	133	155
	CC	$P_{tC.20}$	31	32	69	69	163	225	329	355	368
40	---	$Pt_{0.40}$	69	74	103	122	118	127	203	242	276
	FAN	$P_{tF.40}$	33	33	49	55	60	74	102	121	148
	CC	$P_{tC.20}$	31	29	65	68	157	219	312	323	353

40°C = 104°F

Nominal speed for all FAN ratings = 1000 rpm



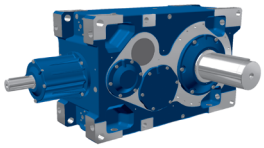
Right-Angle Thermal Ratings M1/M3 Mounting - 1000 rpm @ 40°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.40}$	66	79	101	116	114	121	196	231	265
	FAN	$P_{tF.40}$	31	36	47	53	57	71	98	113	142
	CC	$P_{tC.20}$	29	31	63	65	151	208	300	302	337
50	---	$Pt_{0.40}$	65	69	97	114	106	126	147	225	203
	FAN	$P_{tF.40}$	30	31	45	51	48	62	74	110	106
	CC	$P_{tC.20}$	28	27	60	63	128	180	232	294	256
56	---	$Pt_{0.40}$	67	74	95	109	103	120	143	208	197
	FAN	$P_{tF.40}$	29	33	41	49	47	59	72	96	102
	CC	$P_{tC.20}$	27	28	44	60	123	174	224	258	247
63	---	$Pt_{0.40}$	65	69	91	106	100	118	138	204	194
	FAN	$P_{tF.40}$	28	29	39	45	45	58	69	94	99
	CC	$P_{tC.20}$	26	24	40	55	119	167	215	251	240
71	---	$Pt_{0.40}$	63	74	89	102	97	113	135	193	188
	FAN	$P_{tF.40}$	27	31	38	43	43	55	67	89	96
	CC	$P_{tC.20}$	25	26	42	60	115	162	209	237	231
80	---	$Pt_{0.40}$	61	65	85	100	79	98	114	189	144
	FAN	$P_{tF.40}$	26	27	36	41	37	48	61	86	83
	CC	$P_{tC.20}$	24	23	44	65	98	142	187	232	200
90	---	$Pt_{0.40}$	58	69	82	95	76	96	110	149	142
	FAN	$P_{tF.40}$	25	29	35	40	36	47	58	77	81
	CC	$P_{tC.20}$	23	24	47	70	93	138	180	206	194
100	---	$Pt_{0.40}$	57	60	79	92	74	92	108	141	138
	FAN	$P_{tF.40}$	24	25	34	38	35	45	57	73	78
	CC	$P_{tC.20}$	23	21	45	68	91	132	175	194	189
112	---	$Pt_{0.40}$	45	64	68	88	75	94	109	138	142
	FAN	$P_{tF.40}$	19	26	30	36	35	45	56	71	78
	CC	$P_{tC.20}$	18	22	40	45	91	133	173	190	188
125	---	$Pt_{0.40}$	44	47	66	77	72	91	106	138	138
	FAN	$P_{tF.40}$	19	20	28	32	33	44	55	70	76
	CC	$P_{tC.20}$	18	17	38	39	88	128	168	186	182
140	---	$Pt_{0.40}$	42	50	63	74	70	88	102	135	134
	FAN	$P_{tF.40}$	18	21	27	31	32	42	52	68	73
	CC	$P_{tC.20}$	17	18	37	38	81	123	160	182	176

40°C = 104°F

Nominal speed for all FAN ratings = 1000 rpm

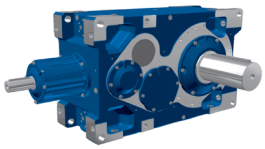
Right-Angle Thermal Ratings
M1/M3 Mounting - 1000 rpm @ 40ºC



Nom. Ratio	Cooling Type		SK 7407/ SK 7507 Thermal Power	SK 8407/ SK 8507 Thermal Power	SK 9407/ SK 9507 Thermal Power	SK 10407/ SK 10507 Thermal Power	SK 11407/ SK 11507 Thermal Power	SK 12407/ SK 12507 Thermal Power	SK 13407/ SK 13507 Thermal Power	SK 14407/ SK 14507 Thermal Power	SK 15407/ SK 15507 Thermal Power
i_N			P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]
160	---	$Pt_{0.40}$	41	44	61	71	68	85	99	127	130
	FAN	$P_{tF.40}$	18	18	26	30	31	40	51	64	71
	CC	$P_{tC.20}$	17	16	35	36	77	118	155	170	171
180	---	$Pt_{0.40}$	41	47	60	68	66	84	98	125	128
	FAN	$P_{tF.40}$	18	19	26	28	30	40	49	63	69
	CC	$P_{tC.20}$	17	16	35	35	75	116	151	166	165
200	---	$Pt_{0.40}$	40	43	58	67	64	80	95	122	125
	FAN	$P_{tF.40}$	17	18	25	28	29	38	48	60	66
	CC	$P_{tC.20}$	16	15	33	34	73	111	147	161	159
224	---	$Pt_{0.40}$	39	45	59	64	62	78	91	119	121
	FAN	$P_{tF.40}$	17	19	25	27	28	37	45	59	64
	CC	$P_{tC.20}$	16	16	34	33	70	107	139	157	154
250	---	$Pt_{0.40}$	38	41	56	66	60	75	88	112	117
	FAN	$P_{tF.40}$	16	17	24	27	27	35	44	55	62
	CC	$P_{tC.20}$	15	14	32	34	68	103	135	147	149
280	---	$Pt_{0.40}$	37	43	54	63	57	71	84	110	112
	FAN	$P_{tF.40}$	16	18	23	26	26	33	42	54	59
	CC	$P_{tC.20}$	15	15	31	32	67	98	128	144	141
315	---	$Pt_{0.40}$	36	38	52	60	55	68	81	101	108
	FAN	$P_{tF.40}$	15	16	22	25	25	32	41	50	57
	CC	$P_{tC.20}$	14	13	30	31	65	94	125	134	136
355	---	$Pt_{0.40}$	36	40	51	58	53	66	78	99	105
	FAN	$P_{tF.40}$	15	17	22	24	24	31	39	49	55
	CC	$P_{tC.20}$	14	14	29	29	62	90	118	131	132
400	---	$Pt_{0.40}$	35	37	49	57	51	64	76	99	102
	FAN	$P_{tF.40}$	15	15	21	23	23	30	37	49	53
	CC	$P_{tC.20}$	14	13	21	29	60	87	115	131	128
450	---	$Pt_{0.40}$	---	39	---	54	---	---	---	---	---
	FAN	$P_{tF.40}$	---	16	---	22	---	---	---	---	---
	CC	$P_{tC.20}$	---	14	---	27	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1000 rpm



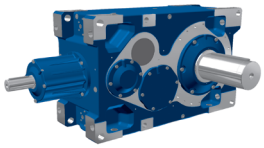
Right-Angle Thermal Ratings M1/M3 Mounting - 1200 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.20}$	---	---	---	---	177	146	234	---	130
	FAN	$P_{tF.20}$	---	---	---	---	129	171	232	---	363
	CC	$P_{tC.20}$	---	---	---	---	261	386	544	---	652
14	---	$Pt_{0.20}$	---	---	---	---	172	141	229	251	135
	FAN	$P_{tF.20}$	---	---	---	---	123	162	222	256	345
	CC	$P_{tC.20}$	---	---	---	---	249	365	521	526	622
16	---	$Pt_{0.20}$	---	---	---	---	180	164	259	250	230
	FAN	$P_{tF.20}$	---	---	---	---	119	157	216	249	322
	CC	$P_{tC.20}$	---	---	---	---	241	356	510	514	589
18	---	$Pt_{0.20}$	111	---	160	---	174	158	251	283	225
	FAN	$P_{tF.20}$	59	---	89	---	113	149	207	230	306
	CC	$P_{tC.20}$	43	---	93	---	230	337	487	476	560
20	---	$Pt_{0.20}$	108	117	153	184	177	171	267	302	272
	FAN	$P_{tF.20}$	58	59	85	96	110	145	197	221	290
	CC	$P_{tC.20}$	42	39	88	92	223	330	466	458	532
22,4	---	$Pt_{0.20}$	107	125	157	176	171	163	258	295	263
	FAN	$P_{tF.20}$	56	63	84	92	105	137	188	214	275
	CC	$P_{tC.20}$	40	42	87	87	213	312	446	445	506
25	---	$Pt_{0.20}$	104	113	150	180	169	169	261	301	291
	FAN	$P_{tF.20}$	54	55	80	91	100	132	176	202	258
	CC	$P_{tC.20}$	39	36	83	87	203	300	417	420	477
28	---	$Pt_{0.20}$	95	121	145	172	163	161	251	294	280
	FAN	$P_{tF.20}$	47	59	71	86	96	124	168	196	246
	CC	$P_{tC.20}$	34	39	74	82	194	283	399	408	454
31,5	---	$Pt_{0.20}$	93	101	140	165	162	170	279	288	368
	FAN	$P_{tF.20}$	46	47	68	77	86	106	148	181	213
	CC	$P_{tC.20}$	33	31	71	74	175	243	352	377	396
35,5	---	$Pt_{0.20}$	91	107	139	158	156	162	269	281	354
	FAN	$P_{tF.20}$	44	50	67	74	82	101	142	176	204
	CC	$P_{tC.20}$	32	33	70	70	168	231	339	367	379
40	---	$Pt_{0.20}$	89	96	134	158	152	162	261	311	352
	FAN	$P_{tF.20}$	43	44	64	73	79	98	134	159	195
	CC	$P_{tC.20}$	31	29	67	69	161	225	321	332	363

20°C = 68°F

Nominal speed for all FAN ratings = 1200 rpm

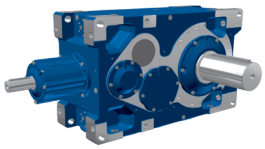
Right-Angle Thermal Ratings
M1/M3 Mounting - 1200 rpm @ 20ºC



Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.20}$	86	102	131	151	147	155	252	297	338
	FAN	$P_{tF.20}$	41	47	62	69	76	93	129	148	186
	CC	$P_{tC.20}$	30	31	65	66	154	214	309	311	347
50	---	$Pt_{0.20}$	84	90	125	148	138	162	189	290	261
	FAN	$P_{tF.20}$	40	41	59	67	64	82	98	144	139
	CC	$P_{tC.20}$	29	27	62	64	131	189	237	302	262
56	---	$Pt_{0.20}$	87	96	124	141	133	156	184	269	254
	FAN	$P_{tF.20}$	38	44	54	64	62	78	95	126	135
	CC	$P_{tC.20}$	27	29	56	61	126	180	230	265	253
63	---	$Pt_{0.20}$	85	90	119	139	130	153	179	263	249
	FAN	$P_{tF.20}$	37	38	52	59	59	76	91	123	131
	CC	$P_{tC.20}$	27	25	54	56	122	176	221	258	246
71	---	$Pt_{0.20}$	82	96	116	133	126	147	174	250	242
	FAN	$P_{tF.20}$	36	40	50	56	57	73	88	116	126
	CC	$P_{tC.20}$	26	27	53	53	117	168	214	244	237
80	---	$Pt_{0.20}$	80	85	111	130	102	126	146	244	183
	FAN	$P_{tF.20}$	35	35	48	55	49	64	81	113	110
	CC	$P_{tC.20}$	25	23	50	52	100	146	193	238	206
90	---	$Pt_{0.20}$	76	90	107	124	98	123	141	190	180
	FAN	$P_{tF.20}$	33	38	46	52	47	62	77	102	107
	CC	$P_{tC.20}$	24	25	48	50	96	141	185	212	200
100	---	$Pt_{0.20}$	74	78	103	120	96	119	138	180	175
	FAN	$P_{tF.20}$	32	33	44	50	46	59	75	96	103
	CC	$P_{tC.20}$	23	21	46	48	93	136	180	200	194
112	---	$Pt_{0.20}$	59	83	89	115	97	122	140	177	181
	FAN	$P_{tF.20}$	26	35	39	48	46	60	74	94	103
	CC	$P_{tC.20}$	18	23	41	46	93	137	178	195	193
125	---	$Pt_{0.20}$	57	61	86	100	94	117	136	177	176
	FAN	$P_{tF.20}$	25	26	38	42	44	57	72	92	100
	CC	$P_{tC.20}$	18	17	39	40	90	131	173	191	187
140	---	$Pt_{0.20}$	55	65	83	96	90	114	131	173	172
	FAN	$P_{tF.20}$	24	27	36	41	42	55	69	90	97
	CC	$P_{tC.20}$	17	18	38	39	86	127	164	187	181

20°C = 68°F

Nominal speed for all FAN ratings = 1200 rpm



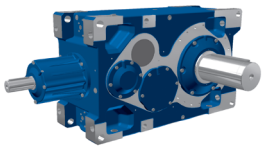
Right-Angle Thermal Ratings M1/M3 Mounting - 1200 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
160	---	$Pt_{0.20}$	54	58	79	92	88	109	127	163	167
	FAN	$P_{tF.20}$	23	24	35	39	41	53	67	84	94
	CC	$P_{tC.20}$	17	16	36	37	83	121	160	175	175
180	---	$Pt_{0.20}$	54	61	78	89	86	108	125	160	164
	FAN	$P_{tF.20}$	23	25	34	37	40	52	65	82	90
	CC	$P_{tC.20}$	17	17	35	36	81	119	155	171	169
200	---	$Pt_{0.20}$	52	56	75	87	83	104	122	156	160
	FAN	$P_{tF.20}$	23	23	33	37	38	50	63	79	87
	CC	$P_{tC.20}$	16	15	34	35	78	114	151	166	164
224	---	$Pt_{0.20}$	51	59	76	84	80	101	117	153	155
	FAN	$P_{tF.20}$	22	25	33	35	37	48	60	78	85
	CC	$P_{tC.20}$	16	16	35	34	75	110	143	162	158
250	---	$Pt_{0.20}$	50	53	73	85	77	97	114	144	150
	FAN	$P_{tF.20}$	22	22	32	36	36	46	58	73	82
	CC	$P_{tC.20}$	16	15	33	34	72	105	139	151	153
280	---	$Pt_{0.20}$	48	57	70	82	73	92	108	141	143
	FAN	$P_{tF.20}$	21	24	30	34	34	44	55	71	77
	CC	$P_{tC.20}$	15	16	32	33	69	100	132	148	145
315	---	$Pt_{0.20}$	47	50	67	78	71	88	105	130	139
	FAN	$P_{tF.20}$	20	21	29	33	33	42	53	66	75
	CC	$P_{tC.20}$	15	14	30	31	66	96	128	138	140
355	---	$Pt_{0.20}$	47	53	66	75	68	86	100	127	135
	FAN	$P_{tF.20}$	20	22	28	31	31	41	51	65	72
	CC	$P_{tC.20}$	15	14	30	30	63	93	122	135	135
400	---	$Pt_{0.20}$	45	48	63	74	66	82	98	127	131
	FAN	$P_{tF.20}$	20	20	27	31	30	39	49	65	70
	CC	$P_{tC.20}$	14	13	28	29	61	89	118	135	131
450	---	$Pt_{0.20}$	---	51	---	71	---	---	---	---	---
	FAN	$P_{tF.20}$	---	21	---	29	---	---	---	---	---
	CC	$P_{tC.20}$	---	14	---	28	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1200 rpm

Right-Angle Thermal Ratings
M1/M3 Mounting - 1200 rpm @ 40ºC



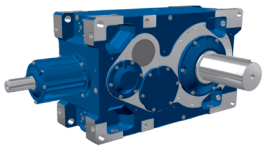
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.40}$	---	---	---	---	113	57	114	---	*
	FAN	$P_{tF.40}$	---	---	---	---	104	144	196	---	256
	CC	$P_{tC.20}$	---	---	---	---	270	406	573	---	644
14	---	$Pt_{0.40}$	---	---	---	---	110	58	115	117	*
	FAN	$P_{tF.40}$	---	---	---	---	100	136	187	218	255
	CC	$P_{tC.20}$	---	---	---	---	258	383	547	558	625
16	---	$Pt_{0.40}$	---	---	---	---	121	86	150	120	51
	FAN	$P_{tF.40}$	---	---	---	---	96	129	180	212	288
	CC	$P_{tC.20}$	---	---	---	---	249	370	533	544	641
18	---	$Pt_{0.40}$	82	---	117	---	118	84	147	166	56
	FAN	$P_{tF.40}$	48	---	72	---	92	123	172	192	273
	CC	$P_{tC.20}$	44	---	96	---	238	351	509	499	607
20	---	$Pt_{0.40}$	80	88	112	136	123	99	169	191	122
	FAN	$P_{tF.40}$	46	47	68	78	89	119	162	183	247
	CC	$P_{tC.20}$	43	40	92	95	231	343	486	479	566
22,4	---	$Pt_{0.40}$	80	94	116	131	119	95	164	188	120
	FAN	$P_{tF.40}$	45	50	67	74	85	112	155	178	235
	CC	$P_{tC.20}$	42	43	91	91	220	323	464	465	538
25	---	$Pt_{0.40}$	78	85	111	135	120	104	174	200	161
	FAN	$P_{tF.40}$	43	44	64	73	80	107	144	166	216
	CC	$P_{tC.20}$	41	38	86	90	210	310	433	438	501
28	---	$Pt_{0.40}$	73	91	112	129	116	100	168	196	156
	FAN	$P_{tF.40}$	37	47	57	69	77	101	138	161	205
	CC	$P_{tC.20}$	35	41	76	85	200	293	414	425	477
31,5	---	$Pt_{0.40}$	71	78	107	127	120	118	207	198	264
	FAN	$P_{tF.40}$	36	37	54	62	68	85	120	148	174
	CC	$P_{tC.20}$	34	32	73	76	180	250	364	392	412
35,5	---	$Pt_{0.40}$	70	82	107	122	116	114	200	194	255
	FAN	$P_{tF.40}$	35	40	54	59	66	81	115	144	166
	CC	$P_{tC.20}$	33	34	72	73	172	238	350	381	394
40	---	$Pt_{0.40}$	68	74	103	122	114	115	196	233	258
	FAN	$P_{tF.40}$	34	35	51	58	63	79	109	129	158
	CC	$P_{tC.20}$	32	30	69	72	165	231	331	344	376

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm



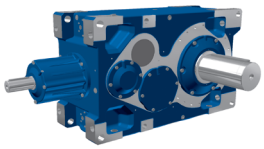
Right-Angle Thermal Ratings M1/M3 Mounting - 1200 rpm @ 40°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.40}$	66	79	101	117	110	110	189	225	248
	FAN	$P_{tF.40}$	33	38	50	56	61	75	105	120	152
	CC	$P_{tC.20}$	31	32	67	68	159	219	319	321	360
50	---	$Pt_{0.40}$	65	70	97	115	107	123	143	219	195
	FAN	$P_{tF.40}$	32	33	47	54	51	65	78	117	111
	CC	$P_{tC.20}$	30	28	64	66	134	193	243	313	269
56	---	$Pt_{0.40}$	69	74	98	110	104	118	139	208	190
	FAN	$P_{tF.40}$	30	35	43	51	49	62	76	102	108
	CC	$P_{tC.20}$	28	30	47	63	129	185	235	274	260
63	---	$Pt_{0.40}$	67	72	94	110	101	117	135	203	188
	FAN	$P_{tF.40}$	29	30	41	47	47	61	73	100	104
	CC	$P_{tC.20}$	28	26	42	58	125	180	226	267	252
71	---	$Pt_{0.40}$	65	76	92	105	98	112	132	193	182
	FAN	$P_{tF.40}$	28	32	40	45	46	58	70	94	101
	CC	$P_{tC.20}$	26	28	41	55	120	172	219	252	243
80	---	$Pt_{0.40}$	63	67	88	103	77	95	107	189	131
	FAN	$P_{tF.40}$	28	28	38	44	39	51	65	92	88
	CC	$P_{tC.20}$	26	24	39	54	103	150	199	246	212
90	---	$Pt_{0.40}$	60	72	85	99	75	93	104	140	129
	FAN	$P_{tF.40}$	26	30	37	42	38	50	62	83	86
	CC	$P_{tC.20}$	24	26	50	74	99	145	190	221	206
100	---	$Pt_{0.40}$	59	62	82	95	73	90	102	133	126
	FAN	$P_{tF.40}$	25	26	35	40	37	48	60	79	83
	CC	$P_{tC.20}$	24	22	48	72	96	140	185	208	200
112	---	$Pt_{0.40}$	46	66	70	91	74	93	104	130	132
	FAN	$P_{tF.40}$	20	28	31	38	37	48	60	77	83
	CC	$P_{tC.20}$	19	24	42	47	96	141	183	203	199
125	---	$Pt_{0.40}$	45	49	68	79	72	89	101	131	128
	FAN	$P_{tF.40}$	20	21	30	34	35	46	58	75	80
	CC	$P_{tC.20}$	19	18	40	42	92	135	178	199	192
140	---	$Pt_{0.40}$	44	51	65	76	70	87	97	129	125
	FAN	$P_{tF.40}$	19	22	29	32	34	45	55	73	78
	CC	$P_{tC.20}$	18	19	39	40	88	130	169	194	186

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm

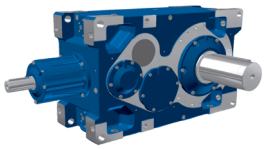
Right-Angle Thermal Ratings
M1/M3 Mounting - 1200 rpm @ 40ºC



Nom. Ratio	Cooling Type		SK 7407/ SK 7507 Thermal Power	SK 8407/ SK 8507 Thermal Power	SK 9407/ SK 9507 Thermal Power	SK 10407/ SK 10507 Thermal Power	SK 11407/ SK 11507 Thermal Power	SK 12407/ SK 12507 Thermal Power	SK 13407/ SK 13507 Thermal Power	SK 14407/ SK 14507 Thermal Power	SK 15407/ SK 15507 Thermal Power
i_N			P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]
160	---	$Pt_{0.40}$	43	46	63	73	67	84	95	122	122
	FAN	$P_{tF.40}$	19	19	28	31	33	43	54	69	75
	CC	$P_{tC.20}$	17	16	37	38	82	125	164	182	180
180	---	$Pt_{0.40}$	43	48	62	70	66	83	94	119	121
	FAN	$P_{tF.40}$	19	20	27	30	32	42	52	67	73
	CC	$P_{tC.20}$	17	17	37	37	80	123	160	178	174
200	---	$Pt_{0.40}$	42	44	60	69	64	80	92	117	118
	FAN	$P_{tF.40}$	18	19	26	29	31	40	51	65	70
	CC	$P_{tC.20}$	17	16	35	36	81	118	155	172	169
224	---	$Pt_{0.40}$	41	47	61	67	62	77	88	115	115
	FAN	$P_{tF.40}$	18	20	27	28	29	39	48	63	68
	CC	$P_{tC.20}$	17	17	36	35	77	113	147	168	163
250	---	$Pt_{0.40}$	40	43	58	68	60	74	85	108	111
	FAN	$P_{tF.40}$	17	18	25	29	29	37	47	59	66
	CC	$P_{tC.20}$	16	15	34	35	74	109	143	157	158
280	---	$Pt_{0.40}$	38	45	56	65	57	71	81	106	106
	FAN	$P_{tF.40}$	17	19	24	28	27	35	44	58	62
	CC	$P_{tC.20}$	15	16	33	34	71	103	136	154	149
315	---	$Pt_{0.40}$	37	40	53	62	55	68	79	97	103
	FAN	$P_{tF.40}$	16	17	23	26	26	34	43	54	60
	CC	$P_{tC.20}$	15	14	31	32	68	99	132	143	144
355	---	$Pt_{0.40}$	37	42	53	60	53	66	76	95	101
	FAN	$P_{tF.40}$	16	18	23	25	25	33	41	53	58
	CC	$P_{tC.20}$	15	15	31	31	65	95	125	140	139
400	---	$Pt_{0.40}$	36	38	50	59	51	64	74	95	98
	FAN	$P_{tF.40}$	16	16	22	25	24	31	40	53	56
	CC	$P_{tC.20}$	15	14	29	30	63	92	122	140	135
450	---	$Pt_{0.40}$	---	41	---	56	---	---	---	---	---
	FAN	$P_{tF.40}$	---	17	---	24	---	---	---	---	---
	CC	$P_{tC.20}$	---	15	---	29	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm



Right-Angle Thermal Ratings M1/M3 Mounting - 1500 rpm @ 20°C

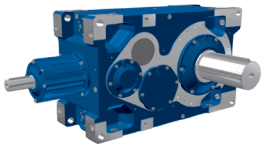
Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.20}$	---	---	---	---	120	12	61	---	*
	FAN	$P_{tF.20}$	---	---	---	---	141	204	281	---	173
	CC	$P_{tC.20}$	---	---	---	---	284	441	629	---	524
14	---	$Pt_{0.20}$	---	---	---	---	119	17	69	51	*
	FAN	$P_{tF.20}$	---	---	---	---	135	193	267	315	184
	CC	$P_{tC.20}$	---	---	---	---	272	417	600	620	517
16	---	$Pt_{0.20}$	---	---	---	---	138	67	134	60	*
	FAN	$P_{tF.20}$	---	---	---	---	129	179	249	305	331
	CC	$P_{tC.20}$	---	---	---	---	261	396	573	602	638
18	---	$Pt_{0.20}$	103	---	143	---	134	67	134	151	*
	FAN	$P_{tF.20}$	64	---	96	---	124	169	237	265	325
	CC	$P_{tC.20}$	46	---	100	---	250	376	547	538	616
20	---	$Pt_{0.20}$	101	111	138	169	144	94	174	196	39
	FAN	$P_{tF.20}$	62	63	92	104	119	162	222	250	359
	CC	$P_{tC.20}$	45	42	95	99	241	363	518	512	632
22,4	---	$Pt_{0.20}$	101	119	145	162	139	91	170	194	44
	FAN	$P_{tF.20}$	60	67	90	99	114	153	212	243	340
	CC	$P_{tC.20}$	43	45	94	94	231	343	495	497	600
25	---	$Pt_{0.20}$	98	108	139	169	144	108	192	220	129
	FAN	$P_{tF.20}$	58	59	86	98	108	146	195	226	300
	CC	$P_{tC.20}$	42	39	90	93	219	328	459	465	544
28	---	$Pt_{0.20}$	94	116	143	162	139	104	186	216	127
	FAN	$P_{tF.20}$	50	63	76	93	104	138	187	219	286
	CC	$P_{tC.20}$	36	42	79	89	210	310	439	452	518
31,5	---	$Pt_{0.20}$	92	100	137	164	150	142	257	227	317
	FAN	$P_{tF.20}$	49	50	73	82	92	114	160	201	233
	CC	$P_{tC.20}$	35	33	76	79	187	260	381	415	432
35,5	---	$Pt_{0.20}$	90	106	138	157	145	137	249	222	306
	FAN	$P_{tF.20}$	47	53	72	79	88	108	154	195	223
	CC	$P_{tC.20}$	34	35	75	75	179	248	367	403	414
40	---	$Pt_{0.20}$	88	96	133	158	143	139	246	292	315
	FAN	$P_{tF.20}$	46	47	68	78	84	105	145	172	212
	CC	$P_{tC.20}$	33	31	71	74	172	240	346	360	394

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1500 rpm

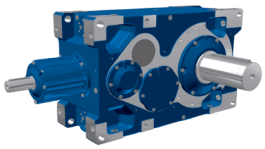
Right-Angle Thermal Ratings
M1/M3 Mounting - 1500 rpm @ 20ºC



Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.20}$	85	102	130	151	138	133	238	283	303
	FAN	$P_{tF.20}$	44	50	66	74	81	100	140	161	203
	CC	$P_{tC.20}$	32	33	69	71	165	229	333	336	378
50	---	$Pt_{0.20}$	83	90	125	149	138	157	181	277	245
	FAN	$P_{tF.20}$	43	44	63	72	68	87	104	156	148
	CC	$P_{tC.20}$	31	29	66	69	138	200	251	327	278
56	---	$Pt_{0.20}$	91	96	128	142	134	151	176	266	238
	FAN	$P_{tF.20}$	41	47	58	69	65	83	101	136	143
	CC	$P_{tC.20}$	29	31	60	65	134	192	244	285	269
63	---	$Pt_{0.20}$	88	94	123	144	131	149	172	260	237
	FAN	$P_{tF.20}$	39	40	55	63	63	81	97	133	139
	CC	$P_{tC.20}$	28	27	57	60	129	187	234	279	261
71	---	$Pt_{0.20}$	85	100	121	138	127	143	168	248	230
	FAN	$P_{tF.20}$	38	43	54	60	61	78	94	125	134
	CC	$P_{tC.20}$	27	28	56	57	125	178	227	263	252
80	---	$Pt_{0.20}$	83	88	116	135	99	120	132	243	157
	FAN	$P_{tF.20}$	37	38	51	58	53	68	87	122	118
	CC	$P_{tC.20}$	27	25	54	56	107	157	208	256	221
90	---	$Pt_{0.20}$	79	94	112	130	96	118	129	172	155
	FAN	$P_{tF.20}$	35	40	49	56	50	66	83	112	115
	CC	$P_{tC.20}$	25	27	51	53	103	151	198	232	214
100	---	$Pt_{0.20}$	77	82	107	125	93	114	126	164	151
	FAN	$P_{tF.20}$	34	35	47	54	49	64	81	105	111
	CC	$P_{tC.20}$	25	23	49	51	99	146	193	218	208
112	---	$Pt_{0.20}$	61	87	92	120	95	118	130	161	162
	FAN	$P_{tF.20}$	27	37	42	51	49	64	80	103	111
	CC	$P_{tC.20}$	20	24	44	49	99	147	191	214	207
125	---	$Pt_{0.20}$	60	64	89	103	92	113	126	163	157
	FAN	$P_{tF.20}$	27	28	40	45	47	62	77	100	107
	CC	$P_{tC.20}$	19	18	42	43	96	141	185	209	200
140	---	$Pt_{0.20}$	57	67	85	100	89	111	122	160	154
	FAN	$P_{tF.20}$	26	29	39	43	45	59	74	98	104
	CC	$P_{tC.20}$	18	19	40	41	92	136	176	204	194

20°C = 68°F

Nominal speed for all FAN ratings = 1500 rpm



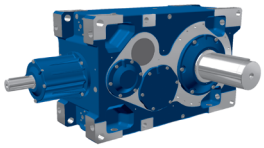
Right-Angle Thermal Ratings M1/M3 Mounting - 1500 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
160	---	$Pt_{0.20}$	56	60	82	96	86	106	119	151	150
	FAN	$P_{tF.20}$	25	26	37	42	44	57	72	92	101
	CC	$P_{tC.20}$	18	17	39	40	89	130	172	191	188
180	---	$Pt_{0.20}$	56	63	81	92	85	106	118	148	150
	FAN	$P_{tF.20}$	25	27	36	40	43	56	70	90	97
	CC	$P_{tC.20}$	18	18	38	38	86	128	167	187	181
200	---	$Pt_{0.20}$	54	58	78	91	82	102	115	147	146
	FAN	$P_{tF.20}$	24	25	35	39	41	54	68	87	94
	CC	$P_{tC.20}$	17	16	36	37	84	122	162	180	176
224	---	$Pt_{0.20}$	54	62	79	87	79	99	110	144	142
	FAN	$P_{tF.20}$	24	26	35	38	39	52	64	85	91
	CC	$P_{tC.20}$	17	17	37	36	80	118	154	176	170
250	---	$Pt_{0.20}$	52	56	76	89	77	95	107	135	138
	FAN	$P_{tF.20}$	23	24	34	38	38	50	63	79	88
	CC	$P_{tC.20}$	17	16	35	37	77	113	149	165	165
280	---	$Pt_{0.20}$	50	59	73	85	73	91	102	133	133
	FAN	$P_{tF.20}$	22	25	32	37	36	47	59	78	83
	CC	$P_{tC.20}$	16	17	34	35	73	108	142	161	155
315	---	$Pt_{0.20}$	49	52	70	82	71	87	100	122	129
	FAN	$P_{tF.20}$	22	22	31	35	35	45	58	72	80
	CC	$P_{tC.20}$	15	15	32	33	71	103	138	150	150
355	---	$Pt_{0.20}$	49	55	69	78	68	85	96	119	125
	FAN	$P_{tF.20}$	22	23	30	34	33	44	55	71	78
	CC	$P_{tC.20}$	15	15	32	32	68	99	131	147	145
400	---	$Pt_{0.20}$	47	51	66	77	66	81	93	119	122
	FAN	$P_{tF.20}$	21	21	29	33	32	42	53	71	75
	CC	$P_{tC.20}$	15	14	30	31	66	95	127	147	141
450	---	$Pt_{0.20}$	---	54	---	74	---	---	---	---	---
	FAN	$P_{tF.20}$	---	23	---	31	---	---	---	---	---
	CC	$P_{tC.20}$	---	15	---	30	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1500 rpm

Right-Angle Thermal Ratings
M1/M3 Mounting - 1500 rpm @ 40ºC

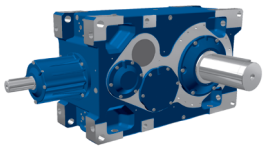


Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.40}$	---	---	---	---	45	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	120	83	161	---	*
	CC	$P_{tC.20}$	---	---	---	---	301	377	590	---	362
14	---	$Pt_{0.40}$	---	---	---	---	47	*	*	*	*
	FAN	$P_{tF.40}$	---	---	---	---	115	84	163	164	*
	CC	$P_{tC.20}$	---	---	---	---	287	362	572	557	362
16	---	$Pt_{0.40}$	---	---	---	---	72	*	*	*	*
	FAN	$P_{tF.40}$	---	---	---	---	107	127	217	169	57
	CC	$P_{tC.20}$	---	---	---	---	273	393	612	551	493
18	---	$Pt_{0.40}$	72	---	97	---	71	*	*	*	*
	FAN	$P_{tF.40}$	51	---	78	---	102	124	213	240	66
	CC	$P_{tC.20}$	48	---	104	---	261	376	591	587	478
20	---	$Pt_{0.40}$	71	80	94	117	84	4	53	58	*
	FAN	$P_{tF.40}$	50	51	74	84	97	143	195	221	170
	CC	$P_{tC.20}$	47	43	99	103	251	388	552	552	541
22,4	---	$Pt_{0.40}$	72	85	101	113	82	6	55	61	*
	FAN	$P_{tF.40}$	48	54	73	80	93	135	186	214	168
	CC	$P_{tC.20}$	45	46	98	98	240	367	528	535	521
25	---	$Pt_{0.40}$	70	79	97	121	89	31	92	102	*
	FAN	$P_{tF.40}$	47	48	70	79	88	125	165	193	232
	CC	$P_{tC.20}$	44	41	93	97	227	346	482	493	556
28	---	$Pt_{0.40}$	70	84	107	116	87	31	90	102	*
	FAN	$P_{tF.40}$	40	51	61	75	84	118	158	187	225
	CC	$P_{tC.20}$	37	44	82	92	218	328	462	479	534
31,5	---	$Pt_{0.40}$	69	75	103	123	105	86	178	125	201
	FAN	$P_{tF.40}$	39	40	58	66	74	92	131	168	193
	CC	$P_{tC.20}$	36	34	78	81	192	268	395	436	452
35,5	---	$Pt_{0.40}$	68	80	104	118	102	84	173	123	195
	FAN	$P_{tF.40}$	38	42	57	63	71	88	126	163	184
	CC	$P_{tC.20}$	35	36	77	78	184	256	380	424	433
40	---	$Pt_{0.40}$	66	73	100	120	101	88	175	207	211
	FAN	$P_{tF.40}$	37	38	55	62	68	85	118	141	174
	CC	$P_{tC.20}$	34	32	74	77	177	248	359	374	411

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1500 rpm



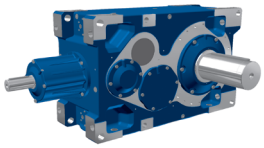
Right-Angle Thermal Ratings M1/M3 Mounting - 1500 rpm @ 40°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.40}$	64	77	99	115	98	85	169	204	203
	FAN	$P_{tF.40}$	35	40	53	59	65	81	114	131	167
	CC	$P_{tC.20}$	33	34	71	73	170	236	345	348	394
50	---	$Pt_{0.40}$	63	69	95	113	105	115	131	200	175
	FAN	$P_{tF.40}$	34	35	51	58	54	69	83	128	119
	CC	$P_{tC.20}$	32	30	68	71	142	205	257	339	286
56	---	$Pt_{0.40}$	71	73	101	109	102	111	128	199	170
	FAN	$P_{tF.40}$	32	37	46	55	52	67	81	111	115
	CC	$P_{tC.20}$	30	32	62	68	137	196	250	295	276
63	---	$Pt_{0.40}$	70	74	97	114	100	110	126	195	171
	FAN	$P_{tF.40}$	31	32	44	50	50	65	77	108	111
	CC	$P_{tC.20}$	29	28	59	62	132	191	239	288	267
71	---	$Pt_{0.40}$	67	79	95	109	97	106	123	187	166
	FAN	$P_{tF.40}$	30	34	43	48	48	62	75	102	107
	CC	$P_{tC.20}$	28	29	58	59	128	183	232	272	258
80	---	$Pt_{0.40}$	65	70	91	107	73	87	90	183	100
	FAN	$P_{tF.40}$	29	30	41	47	42	55	70	99	96
	CC	$P_{tC.20}$	27	26	55	57	110	161	214	265	229
90	---	$Pt_{0.40}$	62	74	88	103	71	86	88	116	100
	FAN	$P_{tF.40}$	28	32	39	44	41	54	67	93	93
	CC	$P_{tC.20}$	26	27	53	55	106	156	205	243	222
100	---	$Pt_{0.40}$	61	65	85	99	69	83	86	111	97
	FAN	$P_{tF.40}$	27	28	38	43	39	52	66	87	91
	CC	$P_{tC.20}$	25	24	51	53	103	150	199	228	215
112	---	$Pt_{0.40}$	48	69	72	95	71	87	91	109	108
	FAN	$P_{tF.40}$	22	30	33	41	39	52	65	85	89
	CC	$P_{tC.20}$	20	25	45	50	102	151	197	224	214
125	---	$Pt_{0.40}$	47	51	69	81	69	84	89	113	106
	FAN	$P_{tF.40}$	21	22	32	36	38	50	63	83	87
	CC	$P_{tC.20}$	20	19	43	45	99	145	191	218	207
140	---	$Pt_{0.40}$	45	53	67	78	67	82	86	111	104
	FAN	$P_{tF.40}$	20	23	31	35	36	48	60	81	84
	CC	$P_{tC.20}$	19	20	42	43	95	140	182	213	201

40°C = 104°F

Nominal speed for all FAN ratings = 1500 rpm

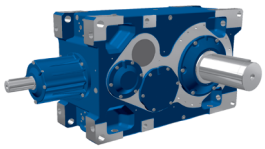
Right-Angle Thermal Ratings
M1/M3 Mounting - 1500 rpm @ 40ºC



Nom. Ratio	Cooling Type		SK 7407/ SK 7507 Thermal Power	SK 8407/ SK 8507 Thermal Power	SK 9407/ SK 9507 Thermal Power	SK 10407/ SK 10507 Thermal Power	SK 11407/ SK 11507 Thermal Power	SK 12407/ SK 12507 Thermal Power	SK 13407/ SK 13507 Thermal Power	SK 14407/ SK 14507 Thermal Power	SK 15407/ SK 15507 Thermal Power
i_N			P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]
160	---	$Pt_{0.40}$	44	48	65	75	65	79	84	105	101
	FAN	$P_{tF.40}$	20	21	30	33	35	46	58	76	82
	CC	$P_{tC.20}$	19	18	40	41	92	134	177	200	194
180	---	$Pt_{0.40}$	44	50	63	73	64	79	84	103	104
	FAN	$P_{tF.40}$	20	22	29	32	34	45	56	74	78
	CC	$P_{tC.20}$	19	19	39	40	89	132	172	195	187
200	---	$Pt_{0.40}$	43	46	61	71	62	76	82	104	101
	FAN	$P_{tF.40}$	19	20	28	31	33	43	55	72	76
	CC	$P_{tC.20}$	18	17	38	39	86	126	167	188	181
224	---	$Pt_{0.40}$	42	49	62	69	60	74	79	101	98
	FAN	$P_{tF.40}$	19	21	28	30	32	42	52	70	74
	CC	$P_{tC.20}$	18	18	38	37	82	122	159	184	176
250	---	$Pt_{0.40}$	41	44	60	70	58	71	77	96	96
	FAN	$P_{tF.40}$	18	19	27	31	31	40	51	66	71
	CC	$P_{tC.20}$	17	16	37	38	80	117	154	172	170
280	---	$Pt_{0.40}$	40	47	57	67	56	68	74	94	93
	FAN	$P_{tF.40}$	18	20	26	29	29	38	48	64	67
	CC	$P_{tC.20}$	16	17	35	36	76	111	146	168	160
315	---	$Pt_{0.40}$	39	41	55	65	54	65	72	86	90
	FAN	$P_{tF.40}$	17	18	25	28	28	36	47	59	65
	CC	$P_{tC.20}$	16	15	34	35	73	106	142	156	155
355	---	$Pt_{0.40}$	39	44	54	62	52	64	69	84	88
	FAN	$P_{tF.40}$	17	19	24	27	27	35	44	58	63
	CC	$P_{tC.20}$	16	16	33	33	70	103	135	153	150
400	---	$Pt_{0.40}$	38	40	52	61	50	61	67	84	86
	FAN	$P_{tF.40}$	17	17	23	26	26	34	43	58	61
	CC	$P_{tC.20}$	16	15	31	32	68	98	131	153	145
450	---	$Pt_{0.40}$	---	43	---	58	---	---	---	---	---
	FAN	$P_{tF.40}$	---	18	---	25	---	---	---	---	---
	CC	$P_{tC.20}$	---	16	---	31	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm



Right-Angle Thermal Ratings
M1/M3 Mounting - 1800 rpm @ 20°C

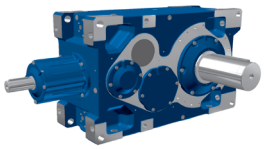
Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.20}$	---	---	---	---	32	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	163	63	147	---	*
	CC	$P_{tC.20}$	---	---	---	---	317	334	547	---	92
14	---	$Pt_{0.20}$	---	---	---	---	36	*	*	*	*
	FAN	$P_{tF.20}$	---	---	---	---	155	67	153	138	*
	CC	$P_{tC.20}$	---	---	---	---	303	324	534	497	116
16	---	$Pt_{0.20}$	---	---	---	---	75	*	*	*	*
	FAN	$P_{tF.20}$	---	---	---	---	143	133	236	149	*
	CC	$P_{tC.20}$	---	---	---	---	285	373	599	497	350
18	---	$Pt_{0.20}$	89	---	118	---	75	*	*	*	*
	FAN	$P_{tF.20}$	68	---	103	---	137	131	234	264	*
	CC	$P_{tC.20}$	49	---	107	---	273	359	580	571	347
20	---	$Pt_{0.20}$	88	100	114	145	95	*	18	16	*
	FAN	$P_{tF.20}$	66	67	98	111	130	167	270	307	134
	CC	$P_{tC.20}$	48	44	103	106	261	386	595	598	460
22,4	---	$Pt_{0.20}$	90	107	125	140	93	*	23	22	*
	FAN	$P_{tF.20}$	64	72	97	106	124	161	257	297	137
	CC	$P_{tC.20}$	46	47	101	101	249	368	568	579	446
25	---	$Pt_{0.20}$	88	100	120	150	105	14	85	91	*
	FAN	$P_{tF.20}$	62	63	92	104	117	170	223	261	242
	CC	$P_{tC.20}$	45	42	96	100	236	367	510	524	518
28	---	$Pt_{0.20}$	90	107	136	145	102	15	85	92	*
	FAN	$P_{tF.20}$	53	67	80	99	112	161	214	254	236
	CC	$P_{tC.20}$	38	45	84	95	226	348	489	509	499
31,5	---	$Pt_{0.20}$	88	97	131	158	131	103	220	132	236
	FAN	$P_{tF.20}$	51	53	77	87	97	122	173	225	256
	CC	$P_{tC.20}$	37	35	80	83	198	277	409	459	471
35,5	---	$Pt_{0.20}$	87	103	133	152	127	100	214	131	230
	FAN	$P_{tF.20}$	50	56	76	83	93	117	167	219	245
	CC	$P_{tC.20}$	36	37	79	79	190	264	394	446	450
40	---	$Pt_{0.20}$	85	93	128	154	128	106	218	257	255
	FAN	$P_{tF.20}$	48	50	72	82	89	112	157	186	231
	CC	$P_{tC.20}$	35	33	75	78	182	256	371	387	427

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1800 rpm

Right-Angle Thermal Ratings
M1/M3 Mounting - 1800 rpm @ 20ºC

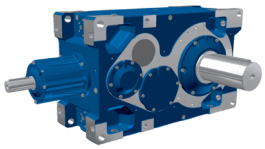


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.20}$	83	99	127	148	124	102	211	257	246
	FAN	$P_{tF.20}$	46	53	70	78	86	107	151	173	221
	CC	$P_{tC.20}$	33	35	73	75	175	244	357	359	408
50	---	$Pt_{0.20}$	81	89	122	146	136	147	166	251	219
	FAN	$P_{tF.20}$	45	46	67	76	71	92	109	168	156
	CC	$P_{tC.20}$	33	31	70	73	145	211	264	350	293
56	---	$Pt_{0.20}$	93	94	131	140	132	141	163	254	214
	FAN	$P_{tF.20}$	43	49	61	73	69	88	106	146	151
	CC	$P_{tC.20}$	31	33	63	69	140	202	256	304	283
63	---	$Pt_{0.20}$	90	97	126	148	129	141	161	249	216
	FAN	$P_{tF.20}$	42	43	58	66	66	85	102	142	146
	CC	$P_{tC.20}$	30	28	61	63	135	196	246	297	274
71	---	$Pt_{0.20}$	87	103	124	142	125	136	157	239	210
	FAN	$P_{tF.20}$	40	45	57	63	64	82	99	134	141
	CC	$P_{tC.20}$	29	30	59	60	131	188	238	280	265
80	---	$Pt_{0.20}$	85	91	119	139	92	110	111	234	118
	FAN	$P_{tF.20}$	39	40	54	61	56	73	93	131	127
	CC	$P_{tC.20}$	28	26	56	59	113	166	221	273	236
90	---	$Pt_{0.20}$	81	97	115	133	90	108	109	141	119
	FAN	$P_{tF.20}$	37	42	52	59	54	71	89	123	123
	CC	$P_{tC.20}$	27	28	54	56	109	161	212	252	229
100	---	$Pt_{0.20}$	79	84	110	129	88	104	106	136	116
	FAN	$P_{tF.20}$	36	37	50	56	52	68	87	115	120
	CC	$P_{tC.20}$	26	24	52	54	106	155	206	237	223
112	---	$Pt_{0.20}$	62	90	93	124	91	110	113	133	132
	FAN	$P_{tF.20}$	29	39	44	54	52	68	85	113	118
	CC	$P_{tC.20}$	21	26	46	51	105	155	203	232	220
125	---	$Pt_{0.20}$	61	66	90	105	88	106	110	140	129
	FAN	$P_{tF.20}$	28	29	42	48	50	65	83	109	115
	CC	$P_{tC.20}$	20	19	44	46	102	149	197	226	214
140	---	$Pt_{0.20}$	59	69	87	102	85	104	107	137	127
	FAN	$P_{tF.20}$	27	31	41	46	48	63	79	107	111
	CC	$P_{tC.20}$	19	20	42	44	97	144	188	221	207

20°C = 68°F

Nominal speed for all FAN ratings = 1800 rpm



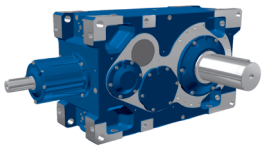
Right-Angle Thermal Ratings M1/M3 Mounting - 1800 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
160	---	$Pt_{0.20}$	57	62	84	98	83	100	104	130	123
	FAN	$P_{tF.20}$	26	27	39	44	46	61	77	100	108
	CC	$P_{tC.20}$	19	18	41	42	94	138	183	207	201
180	---	$Pt_{0.20}$	57	65	82	94	82	100	106	128	128
	FAN	$P_{tF.20}$	26	29	38	42	45	59	75	98	103
	CC	$P_{tC.20}$	19	19	40	40	92	135	178	203	193
200	---	$Pt_{0.20}$	56	60	79	93	80	96	103	129	125
	FAN	$P_{tF.20}$	26	26	37	41	44	57	72	94	100
	CC	$P_{tC.20}$	18	17	38	40	89	130	173	195	187
224	---	$Pt_{0.20}$	55	63	81	89	77	94	99	126	122
	FAN	$P_{tF.20}$	25	28	37	40	42	55	69	92	97
	CC	$P_{tC.20}$	18	18	39	38	85	125	164	191	181
250	---	$Pt_{0.20}$	54	58	78	91	75	90	96	119	118
	FAN	$P_{tF.20}$	24	25	36	41	40	53	67	86	94
	CC	$P_{tC.20}$	18	16	37	39	82	120	159	178	175
280	---	$Pt_{0.20}$	52	61	74	87	71	87	93	117	116
	FAN	$P_{tF.20}$	23	26	34	39	38	50	63	85	88
	CC	$P_{tC.20}$	17	17	36	37	78	114	151	175	165
315	---	$Pt_{0.20}$	50	54	71	84	69	83	90	107	113
	FAN	$P_{tF.20}$	23	23	33	37	37	48	61	78	86
	CC	$P_{tC.20}$	16	15	34	35	75	110	147	162	160
355	---	$Pt_{0.20}$	50	57	70	80	67	81	87	105	110
	FAN	$P_{tF.20}$	23	25	32	36	35	46	59	76	83
	CC	$P_{tC.20}$	16	16	33	34	72	106	139	158	155
400	---	$Pt_{0.20}$	49	52	67	79	65	78	85	105	107
	FAN	$P_{tF.20}$	22	23	31	35	34	44	57	76	80
	CC	$P_{tC.20}$	16	15	32	33	70	101	136	158	150
450	---	$Pt_{0.20}$	---	55	---	76	---	---	---	---	---
	FAN	$P_{tF.20}$	---	24	---	33	---	---	---	---	---
	CC	$P_{tC.20}$	---	16	---	32	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1800 rpm

Right-Angle Thermal Ratings
M1/M3 Mounting - 1800 rpm @ 40ºC



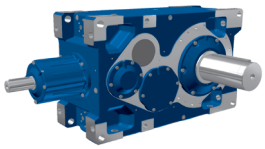
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.40}$	---	---	---	---	45	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	120	83	161	---	*
	CC	$P_{tC.20}$	---	---	---	---	301	377	590	---	362
14	---	$Pt_{0.40}$	---	---	---	---	47	*	*	*	*
	FAN	$P_{tF.40}$	---	---	---	---	115	84	163	164	*
	CC	$P_{tC.20}$	---	---	---	---	287	362	572	557	362
16	---	$Pt_{0.40}$	---	---	---	---	72	*	*	*	*
	FAN	$P_{tF.40}$	---	---	---	---	107	127	217	169	57
	CC	$P_{tC.20}$	---	---	---	---	273	393	612	551	493
18	---	$Pt_{0.40}$	72	---	97	---	71	*	*	*	*
	FAN	$P_{tF.40}$	51	---	78	---	102	124	213	240	66
	CC	$P_{tC.20}$	48	---	104	---	261	376	591	587	478
20	---	$Pt_{0.40}$	71	80	94	117	84	4	53	58	*
	FAN	$P_{tF.40}$	50	51	74	84	97	143	195	221	170
	CC	$P_{tC.20}$	47	43	99	103	251	388	552	552	541
22,4	---	$Pt_{0.40}$	72	85	101	113	82	6	55	61	*
	FAN	$P_{tF.40}$	48	54	73	80	93	135	186	214	168
	CC	$P_{tC.20}$	45	46	98	98	240	367	528	535	521
25	---	$Pt_{0.40}$	70	79	97	121	89	31	92	102	*
	FAN	$P_{tF.40}$	47	48	70	79	88	125	165	193	232
	CC	$P_{tC.20}$	44	41	93	97	227	346	482	493	556
28	---	$Pt_{0.40}$	70	84	107	116	87	31	90	102	*
	FAN	$P_{tF.40}$	40	51	61	75	84	118	158	187	225
	CC	$P_{tC.20}$	37	44	82	92	218	328	462	479	534
31,5	---	$Pt_{0.40}$	69	75	103	123	105	86	178	125	201
	FAN	$P_{tF.40}$	39	40	58	66	74	92	131	168	193
	CC	$P_{tC.20}$	36	34	78	81	192	268	395	436	452
35,5	---	$Pt_{0.40}$	68	80	104	118	102	84	173	123	195
	FAN	$P_{tF.40}$	38	42	57	63	71	88	126	163	184
	CC	$P_{tC.20}$	35	36	77	78	184	256	380	424	433
40	---	$Pt_{0.40}$	66	73	100	120	101	88	175	207	211
	FAN	$P_{tF.40}$	37	38	55	62	68	85	118	141	174
	CC	$P_{tC.20}$	34	32	74	77	177	248	359	374	411

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1800 rpm



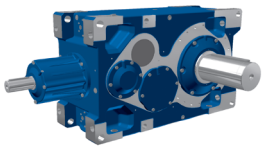
Right-Angle Thermal Ratings M1/M3 Mounting - 1800 rpm @ 40°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.40}$	64	77	99	115	98	85	169	204	203
	FAN	$P_{tF.40}$	35	40	53	59	65	81	114	131	167
	CC	$P_{tC.20}$	33	34	71	73	170	236	345	348	394
50	---	$Pt_{0.40}$	63	69	95	113	105	115	131	200	175
	FAN	$P_{tF.40}$	34	35	51	58	54	69	83	128	119
	CC	$P_{tC.20}$	32	30	68	71	142	205	257	339	286
56	---	$Pt_{0.40}$	71	73	101	109	102	111	128	199	170
	FAN	$P_{tF.40}$	32	37	46	55	52	67	81	111	115
	CC	$P_{tC.20}$	30	32	62	68	137	196	250	295	276
63	---	$Pt_{0.40}$	70	74	97	114	100	110	126	195	171
	FAN	$P_{tF.40}$	31	32	44	50	50	65	77	108	111
	CC	$P_{tC.20}$	29	28	59	62	132	191	239	288	267
71	---	$Pt_{0.40}$	67	79	95	109	97	106	123	187	166
	FAN	$P_{tF.40}$	30	34	43	48	48	62	75	102	107
	CC	$P_{tC.20}$	28	29	58	59	128	183	232	272	258
80	---	$Pt_{0.40}$	65	70	91	107	73	87	90	183	100
	FAN	$P_{tF.40}$	29	30	41	47	42	55	70	99	96
	CC	$P_{tC.20}$	27	26	55	57	110	161	214	265	229
90	---	$Pt_{0.40}$	62	74	88	103	71	86	88	116	100
	FAN	$P_{tF.40}$	28	32	39	44	41	54	67	93	93
	CC	$P_{tC.20}$	26	27	53	55	106	156	205	243	222
100	---	$Pt_{0.40}$	61	65	85	99	69	83	86	111	97
	FAN	$P_{tF.40}$	27	28	38	43	39	52	66	87	91
	CC	$P_{tC.20}$	25	24	51	53	103	150	199	228	215
112	---	$Pt_{0.40}$	48	69	72	95	71	87	91	109	108
	FAN	$P_{tF.40}$	22	30	33	41	39	52	65	85	89
	CC	$P_{tC.20}$	20	25	45	50	102	151	197	224	214
125	---	$Pt_{0.40}$	47	51	69	81	69	84	89	113	106
	FAN	$P_{tF.40}$	21	22	32	36	38	50	63	83	87
	CC	$P_{tC.20}$	20	19	43	45	99	145	191	218	207
140	---	$Pt_{0.40}$	45	53	67	78	67	82	86	111	104
	FAN	$P_{tF.40}$	20	23	31	35	36	48	60	81	84
	CC	$P_{tC.20}$	19	20	42	43	95	140	182	213	201

40°C = 104°F

Nominal speed for all FAN ratings = 1800 rpm

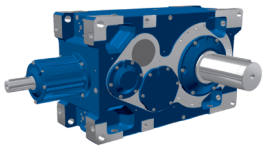
Right-Angle Thermal Ratings
M1/M3 Mounting - 1800 rpm @ 40ºC



Nom. Ratio	Cooling Type		SK 7407/ SK 7507 Thermal Power	SK 8407/ SK 8507 Thermal Power	SK 9407/ SK 9507 Thermal Power	SK 10407/ SK 10507 Thermal Power	SK 11407/ SK 11507 Thermal Power	SK 12407/ SK 12507 Thermal Power	SK 13407/ SK 13507 Thermal Power	SK 14407/ SK 14507 Thermal Power	SK 15407/ SK 15507 Thermal Power
i_N			P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]
160	---	$Pt_{0.40}$	44	48	65	75	65	79	84	105	101
	FAN	$P_{tF.40}$	20	21	30	33	35	46	58	76	82
	CC	$P_{tC.20}$	19	18	40	41	92	134	177	200	194
180	---	$Pt_{0.40}$	44	50	63	73	64	79	84	103	104
	FAN	$P_{tF.40}$	20	22	29	32	34	45	56	74	78
	CC	$P_{tC.20}$	19	19	39	40	89	132	172	195	187
200	---	$Pt_{0.40}$	43	46	61	71	62	76	82	104	101
	FAN	$P_{tF.40}$	19	20	28	31	33	43	55	72	76
	CC	$P_{tC.20}$	18	17	38	39	86	126	167	188	181
224	---	$Pt_{0.40}$	42	49	62	69	60	74	79	101	98
	FAN	$P_{tF.40}$	19	21	28	30	32	42	52	70	74
	CC	$P_{tC.20}$	18	18	38	37	82	122	159	184	176
250	---	$Pt_{0.40}$	41	44	60	70	58	71	77	96	96
	FAN	$P_{tF.40}$	18	19	27	31	31	40	51	66	71
	CC	$P_{tC.20}$	17	16	37	38	80	117	154	172	170
280	---	$Pt_{0.40}$	40	47	57	67	56	68	74	94	93
	FAN	$P_{tF.40}$	18	20	26	29	29	38	48	64	67
	CC	$P_{tC.20}$	16	17	35	36	76	111	146	168	160
315	---	$Pt_{0.40}$	39	41	55	65	54	65	72	86	90
	FAN	$P_{tF.40}$	17	18	25	28	28	36	47	59	65
	CC	$P_{tC.20}$	16	15	34	35	73	106	142	156	155
355	---	$Pt_{0.40}$	39	44	54	62	52	64	69	84	88
	FAN	$P_{tF.40}$	17	19	24	27	27	35	44	58	63
	CC	$P_{tC.20}$	16	16	33	33	70	103	135	153	150
400	---	$Pt_{0.40}$	38	40	52	61	50	61	67	84	86
	FAN	$P_{tF.40}$	17	17	23	26	26	34	43	58	61
	CC	$P_{tC.20}$	16	15	31	32	68	98	131	153	145
450	---	$Pt_{0.40}$	---	43	---	58	---	---	---	---	---
	FAN	$P_{tF.40}$	---	18	---	25	---	---	---	---	---
	CC	$P_{tC.20}$	---	16	---	31	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1800 rpm



Right-Angle Thermal Ratings
M5 Mounting - 1000 rpm @ 20°C

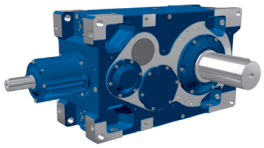
Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.20}$	---	---	---	---	77	7	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	135	191	244	---	*
	CC	$P_{tC.20}$	---	---	---	---	264	403	559	---	226
14	---	$Pt_{0.20}$	---	---	---	---	79	14	*	*	*
	FAN	$P_{tF.20}$	---	---	---	---	128	179	244	257	*
	CC	$P_{tC.20}$	---	---	---	---	252	379	545	531	243
16	---	$Pt_{0.20}$	---	---	---	---	108	72	69	*	*
	FAN	$P_{tF.20}$	---	---	---	---	121	163	238	263	139
	CC	$P_{tC.20}$	---	---	---	---	239	356	527	529	429
18	---	$Pt_{0.20}$	99	---	133	---	106	73	74	91	*
	FAN	$P_{tF.20}$	58	---	87	---	115	154	226	251	149
	CC	$P_{tC.20}$	41	---	90	---	228	337	502	492	422
20	---	$Pt_{0.20}$	97	105	129	156	122	102	131	153	*
	FAN	$P_{tF.20}$	56	57	83	95	111	148	206	232	267
	CC	$P_{tC.20}$	40	37	85	89	220	326	468	461	514
22,4	---	$Pt_{0.20}$	97	113	136	150	118	99	130	154	*
	FAN	$P_{tF.20}$	54	61	82	90	106	140	197	225	263
	CC	$P_{tC.20}$	39	40	84	85	210	307	447	447	498
25	---	$Pt_{0.20}$	95	103	130	157	127	118	164	191	44
	FAN	$P_{tF.20}$	53	54	78	89	100	132	179	207	293
	CC	$P_{tC.20}$	38	35	80	84	199	293	411	415	509
28	---	$Pt_{0.20}$	90	110	133	151	123	114	159	189	49
	FAN	$P_{tF.20}$	45	58	69	85	95	125	172	201	277
	CC	$P_{tC.20}$	32	38	71	79	190	277	394	403	482
31,5	---	$Pt_{0.20}$	88	95	128	152	139	147	230	208	265
	FAN	$P_{tF.20}$	44	45	66	75	84	105	146	183	215
	CC	$P_{tC.20}$	32	30	68	71	169	235	340	369	389
35,5	---	$Pt_{0.20}$	86	101	129	146	135	141	223	204	257
	FAN	$P_{tF.20}$	43	48	65	72	81	99	140	177	206
	CC	$P_{tC.20}$	31	32	67	67	162	223	327	358	371
40	---	$Pt_{0.20}$	84	90	124	147	134	144	224	260	275
	FAN	$P_{tF.20}$	42	43	62	71	77	96	132	157	195
	CC	$P_{tC.20}$	30	28	64	66	155	216	308	320	353

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1000 rpm

Right-Angle Thermal Ratings
M5 Mounting - 1000 rpm @ 20°C

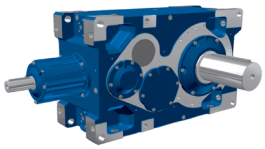


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.20}$	82	96	122	140	129	138	216	256	265
	FAN	$P_{tF.20}$	40	46	60	68	74	92	127	146	186
	CC	$P_{tC.20}$	29	30	62	63	149	206	297	298	337
50	---	$Pt_{0.20}$	79	85	117	138	126	149	171	250	225
	FAN	$P_{tF.20}$	39	40	57	66	62	80	97	142	139
	CC	$P_{tC.20}$	28	26	59	61	126	181	229	290	254
56	---	$Pt_{0.20}$	82	91	116	132	122	143	166	241	218
	FAN	$P_{tF.20}$	37	43	52	62	60	77	94	124	134
	CC	$P_{tC.20}$	26	28	54	59	121	173	222	253	245
63	---	$Pt_{0.20}$	80	85	111	130	119	142	163	236	219
	FAN	$P_{tF.20}$	36	36	50	57	58	75	90	121	129
	CC	$P_{tC.20}$	25	24	51	53	117	169	212	247	237
71	---	$Pt_{0.20}$	77	91	109	125	115	136	158	226	212
	FAN	$P_{tF.20}$	34	39	49	54	56	71	87	114	125
	CC	$P_{tC.20}$	24	25	50	51	113	161	206	233	229
80	---	$Pt_{0.20}$	75	80	104	122	100	124	148	221	187
	FAN	$P_{tF.20}$	33	34	47	53	47	62	78	111	107
	CC	$P_{tC.20}$	24	22	48	50	95	139	183	227	196
90	---	$Pt_{0.20}$	72	85	101	117	97	122	143	192	185
	FAN	$P_{tF.20}$	31	36	45	51	45	60	74	98	104
	CC	$P_{tC.20}$	22	24	46	47	91	134	175	199	190
100	---	$Pt_{0.20}$	70	74	96	113	94	117	140	183	180
	FAN	$P_{tF.20}$	31	31	43	49	44	57	72	92	100
	CC	$P_{tC.20}$	22	20	44	46	88	129	170	187	184
112	---	$Pt_{0.20}$	56	79	86	108	95	121	142	179	187
	FAN	$P_{tF.20}$	25	33	38	46	44	58	72	90	100
	CC	$P_{tC.20}$	18	22	39	44	88	130	168	183	183
125	---	$Pt_{0.20}$	55	59	82	96	93	116	138	179	181
	FAN	$P_{tF.20}$	24	25	36	41	43	55	70	88	97
	CC	$P_{tC.20}$	17	16	37	38	85	125	164	179	177
140	---	$Pt_{0.20}$	53	62	79	92	89	113	133	175	177
	FAN	$P_{tF.20}$	23	26	35	39	41	53	66	86	94
	CC	$P_{tC.20}$	16	17	36	37	81	120	155	175	172

20°C = 68°F

Nominal speed for all FAN ratings = 1000 rpm



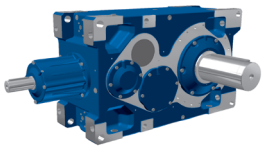
Right-Angle Thermal Ratings
M5 Mounting - 1000 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
160	---	$Pt_{0.20}$	52	55	76	89	87	108	129	165	172
	FAN	$P_{tF.20}$	22	23	33	38	39	51	64	81	91
	CC	$P_{tC.20}$	16	15	34	35	79	115	151	164	166
180	---	$Pt_{0.20}$	52	58	75	85	85	107	127	162	170
	FAN	$P_{tF.20}$	22	25	33	36	38	50	62	79	87
	CC	$P_{tC.20}$	16	16	33	34	77	113	147	160	160
200	---	$Pt_{0.20}$	50	54	72	84	82	103	124	159	164
	FAN	$P_{tF.20}$	22	23	31	35	37	48	61	76	85
	CC	$P_{tC.20}$	16	15	32	33	74	108	143	155	155
224	---	$Pt_{0.20}$	49	57	74	80	79	100	118	155	160
	FAN	$P_{tF.20}$	21	24	32	34	35	46	58	74	82
	CC	$P_{tC.20}$	15	16	33	32	71	104	135	152	150
250	---	$Pt_{0.20}$	48	51	71	82	76	96	115	146	155
	FAN	$P_{tF.20}$	21	21	31	35	34	44	56	69	79
	CC	$P_{tC.20}$	15	14	31	32	68	100	131	141	145
280	---	$Pt_{0.20}$	46	54	68	79	73	91	109	143	147
	FAN	$P_{tF.20}$	20	23	29	33	32	42	53	68	75
	CC	$P_{tC.20}$	14	15	30	31	65	95	125	138	137
315	---	$Pt_{0.20}$	45	48	65	75	70	88	106	132	143
	FAN	$P_{tF.20}$	19	20	28	32	31	41	52	63	72
	CC	$P_{tC.20}$	14	13	29	30	63	91	121	129	132
355	---	$Pt_{0.20}$	45	51	64	72	67	85	102	129	139
	FAN	$P_{tF.20}$	19	21	27	30	30	39	49	62	70
	CC	$P_{tC.20}$	14	14	28	28	60	88	115	127	128
400	---	$Pt_{0.20}$	44	46	61	71	65	82	99	129	135
	FAN	$P_{tF.20}$	19	19	26	30	29	37	48	62	68
	CC	$P_{tC.20}$	13	13	27	28	58	84	112	127	124
450	---	$Pt_{0.20}$	---	49	---	68	---	---	---	---	---
	FAN	$P_{tF.20}$	---	21	---	28	---	---	---	---	---
	CC	$P_{tC.20}$	---	13	---	27	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1000 rpm

Right-Angle Thermal Ratings
M5 Mounting - 1000 rpm @ 40°C



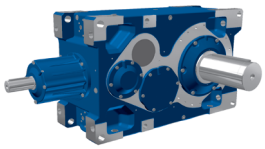
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.40}$	---	---	---	---	4	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	118	77	68	---	*
	CC	$P_{tC.20}$	---	---	---	---	284	343	469	---	49
14	---	$Pt_{0.40}$	---	---	---	---	9	*	*	*	*
	FAN	$P_{tF.40}$	---	---	---	---	112	80	78	58	*
	CC	$P_{tC.20}$	---	---	---	---	270	330	459	429	79
16	---	$Pt_{0.40}$	---	---	---	---	47	*	*	*	*
	FAN	$P_{tF.40}$	---	---	---	---	101	128	154	73	*
	CC	$P_{tC.20}$	---	---	---	---	252	366	512	430	294
18	---	$Pt_{0.40}$	72	---	92	---	48	*	*	*	*
	FAN	$P_{tF.40}$	46	---	70	---	96	126	155	182	*
	CC	$P_{tC.20}$	43	---	94	---	240	351	496	493	294
20	---	$Pt_{0.40}$	70	78	89	110	67	26	18	27	*
	FAN	$P_{tF.40}$	45	46	67	76	91	127	185	208	38
	CC	$P_{tC.20}$	42	39	89	93	229	345	505	501	396
22,4	---	$Pt_{0.40}$	72	83	97	107	66	27	23	33	*
	FAN	$P_{tF.40}$	43	49	66	73	87	119	175	200	49
	CC	$P_{tC.20}$	40	42	88	88	219	325	481	484	386
25	---	$Pt_{0.40}$	70	77	93	114	78	53	74	88	*
	FAN	$P_{tF.40}$	42	43	63	72	81	110	151	175	154
	CC	$P_{tC.20}$	39	36	83	87	206	307	433	440	449
28	---	$Pt_{0.40}$	69	82	101	110	76	52	74	89	*
	FAN	$P_{tF.40}$	36	46	55	68	77	104	144	170	153
	CC	$P_{tC.20}$	34	39	73	83	197	289	414	426	433
31,5	---	$Pt_{0.40}$	67	73	97	116	99	98	161	119	162
	FAN	$P_{tF.40}$	35	36	53	60	67	84	119	152	177
	CC	$P_{tC.20}$	33	31	70	73	174	242	352	387	408
35,5	---	$Pt_{0.40}$	66	77	99	111	96	94	157	118	159
	FAN	$P_{tF.40}$	34	38	52	57	65	80	114	147	169
	CC	$P_{tC.20}$	32	33	69	70	167	230	338	376	389
40	---	$Pt_{0.40}$	65	70	95	113	97	99	162	186	183
	FAN	$P_{tF.40}$	33	34	49	56	62	77	107	128	159
	CC	$P_{tC.20}$	31	29	66	69	160	223	319	332	368

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1000 rpm



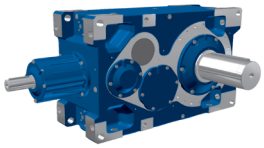
Right-Angle Thermal Ratings
M5 Mounting - 1000 rpm @ 40°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.40}$	63	74	94	108	94	95	156	188	178
	FAN	$P_{tF.40}$	32	36	48	54	59	73	103	118	152
	CC	$P_{tC.20}$	29	31	64	65	153	212	307	309	352
50	---	$Pt_{0.40}$	61	66	90	107	96	112	126	184	162
	FAN	$P_{tF.40}$	31	32	46	52	50	64	77	115	110
	CC	$P_{tC.20}$	29	27	61	64	129	186	234	301	261
56	---	$Pt_{0.40}$	65	70	92	102	93	108	123	183	158
	FAN	$P_{tF.40}$	29	34	42	50	48	61	74	100	107
	CC	$P_{tC.20}$	27	29	55	61	124	177	227	262	252
63	---	$Pt_{0.40}$	64	68	88	103	91	107	122	179	160
	FAN	$P_{tF.40}$	28	29	40	45	46	59	71	98	103
	CC	$P_{tC.20}$	26	25	53	55	120	173	217	255	244
71	---	$Pt_{0.40}$	61	72	86	99	89	103	118	173	156
	FAN	$P_{tF.40}$	27	31	39	43	44	57	69	92	99
	CC	$P_{tC.20}$	25	26	52	53	115	165	211	240	235
80	---	$Pt_{0.40}$	60	63	83	97	78	96	112	169	138
	FAN	$P_{tF.40}$	26	27	37	42	38	49	62	90	85
	CC	$P_{tC.20}$	24	23	49	51	98	143	188	235	201
90	---	$Pt_{0.40}$	57	68	80	93	76	94	109	146	137
	FAN	$P_{tF.40}$	25	29	36	40	36	48	59	79	83
	CC	$P_{tC.20}$	23	24	47	49	94	138	180	206	195
100	---	$Pt_{0.40}$	55	59	77	90	73	91	106	140	134
	FAN	$P_{tF.40}$	24	25	34	39	35	46	58	74	80
	CC	$P_{tC.20}$	23	21	45	47	91	132	175	194	189
112	---	$Pt_{0.40}$	45	63	68	86	75	94	109	137	141
	FAN	$P_{tF.40}$	20	27	30	37	35	46	57	73	80
	CC	$P_{tC.20}$	18	23	40	45	91	134	173	190	188
125	---	$Pt_{0.40}$	44	47	66	76	72	90	106	138	137
	FAN	$P_{tF.40}$	19	20	29	32	34	44	56	71	77
	CC	$P_{tC.20}$	18	17	38	40	88	128	168	186	182
140	---	$Pt_{0.40}$	42	49	63	73	70	88	102	135	135
	FAN	$P_{tF.40}$	18	21	28	31	32	43	53	70	75
	CC	$P_{tC.20}$	17	18	37	38	81	123	160	182	176

40°C = 104°F

Nominal speed for all FAN ratings = 1000 rpm

Right-Angle Thermal Ratings
M5 Mounting - 1000 rpm @ 40°C

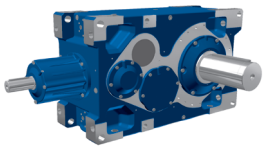


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
160	---	$Pt_{0.40}$	41	44	61	71	68	85	99	128	131
	FAN	$P_{tF.40}$	18	18	26	30	31	41	51	65	72
	CC	$P_{tC.20}$	17	16	35	36	77	118	155	170	171
180	---	$Pt_{0.40}$	41	46	60	68	66	84	98	125	130
	FAN	$P_{tF.40}$	18	19	26	29	31	40	50	64	70
	CC	$P_{tC.20}$	17	16	35	35	75	116	151	166	165
200	---	$Pt_{0.40}$	40	43	58	67	64	80	96	123	126
	FAN	$P_{tF.40}$	17	18	25	28	30	38	48	61	67
	CC	$P_{tC.20}$	16	15	33	34	73	111	147	160	159
224	---	$Pt_{0.40}$	39	45	59	64	62	78	92	120	123
	FAN	$P_{tF.40}$	17	19	25	27	28	37	46	60	65
	CC	$P_{tC.20}$	16	16	34	33	70	107	139	157	154
250	---	$Pt_{0.40}$	38	41	56	66	60	75	89	113	119
	FAN	$P_{tF.40}$	16	17	24	28	27	36	45	56	63
	CC	$P_{tC.20}$	15	14	32	34	68	103	135	147	149
280	---	$Pt_{0.40}$	37	43	54	63	57	72	85	111	114
	FAN	$P_{tF.40}$	16	18	23	26	26	34	42	55	59
	CC	$P_{tC.20}$	15	15	31	32	67	98	128	143	141
315	---	$Pt_{0.40}$	36	38	52	60	55	69	83	102	110
	FAN	$P_{tF.40}$	15	16	22	25	25	32	41	51	58
	CC	$P_{tC.20}$	14	13	30	31	65	94	124	134	136
355	---	$Pt_{0.40}$	36	40	51	58	53	67	79	100	107
	FAN	$P_{tF.40}$	15	17	22	24	24	31	39	50	56
	CC	$P_{tC.20}$	14	14	29	29	62	90	118	131	132
400	---	$Pt_{0.40}$	35	37	49	57	52	64	77	100	104
	FAN	$P_{tF.40}$	15	15	21	24	23	30	38	50	54
	CC	$P_{tC.20}$	14	13	21	29	60	87	115	131	127
450	---	$Pt_{0.40}$	---	39	---	54	---	---	---	---	---
	FAN	$P_{tF.40}$	---	16	---	23	---	---	---	---	---
	CC	$P_{tC.20}$	---	14	---	27	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1000 rpm



Right-Angle Thermal Ratings
M5 Mounting - 1200 rpm @ 20°C

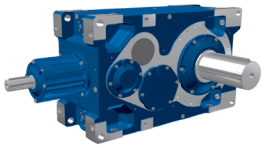
Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	134	53	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	276	298	393	---	*
14	---	$Pt_{0.20}$	---	---	---	---	*	*	*	*	*
	FAN	$P_{tF.20}$	---	---	---	---	135	62	21	*	*
	CC	$P_{tC.20}$	---	---	---	---	271	291	391	331	*
16	---	$Pt_{0.20}$	---	---	---	---	38	*	*	*	*
	FAN	$P_{tF.20}$	---	---	---	---	138	136	147	*	*
	CC	$P_{tC.20}$	---	---	---	---	266	349	478	340	42
18	---	$Pt_{0.20}$	90	---	112	---	41	*	*	*	*
	FAN	$P_{tF.20}$	62	---	94	---	131	135	151	181	*
	CC	$P_{tC.20}$	44	---	97	---	253	337	466	457	69
20	---	$Pt_{0.20}$	88	98	109	135	71	*	*	*	*
	FAN	$P_{tF.20}$	60	61	89	102	122	175	227	263	*
	CC	$P_{tC.20}$	43	40	92	95	239	370	518	519	265
22,4	---	$Pt_{0.20}$	90	105	120	131	70	4	*	*	*
	FAN	$P_{tF.20}$	58	65	88	97	116	166	224	263	*
	CC	$P_{tC.20}$	41	43	90	91	229	349	501	511	266
25	---	$Pt_{0.20}$	88	97	116	143	89	46	59	71	*
	FAN	$P_{tF.20}$	56	57	84	95	109	149	208	241	129
	CC	$P_{tC.20}$	40	37	86	89	214	323	462	470	383
28	---	$Pt_{0.20}$	88	104	129	137	87	46	61	74	*
	FAN	$P_{tF.20}$	48	61	73	90	104	141	198	233	132
	CC	$P_{tC.20}$	34	40	75	85	205	305	441	456	373
31,5	---	$Pt_{0.20}$	86	94	124	149	124	119	197	126	182
	FAN	$P_{tF.20}$	47	48	70	80	90	112	158	205	239
	CC	$P_{tC.20}$	33	31	72	75	179	250	366	408	427
35,5	---	$Pt_{0.20}$	85	100	127	143	120	115	192	125	179
	FAN	$P_{tF.20}$	45	51	69	76	86	106	152	199	228
	CC	$P_{tC.20}$	32	33	71	71	172	237	351	396	407
40	---	$Pt_{0.20}$	83	90	122	145	122	122	201	229	218
	FAN	$P_{tF.20}$	44	45	66	75	82	103	142	170	213
	CC	$P_{tC.20}$	31	29	68	70	164	230	330	344	383

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1200 rpm

Right-Angle Thermal Ratings
M5 Mounting - 1200 rpm @ 20°C

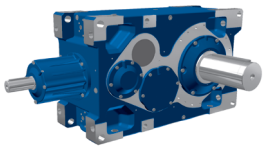


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.20}$	81	96	121	139	118	117	195	235	211
	FAN	$P_{tF.20}$	42	48	64	71	79	98	137	157	203
	CC	$P_{tC.20}$	30	31	65	67	158	218	318	320	366
50	---	$Pt_{0.20}$	79	85	116	138	124	143	160	230	201
	FAN	$P_{tF.20}$	41	42	61	69	66	85	102	153	147
	CC	$P_{tC.20}$	29	27	62	65	132	191	240	311	268
56	---	$Pt_{0.20}$	85	91	119	132	120	138	156	233	196
	FAN	$P_{tF.20}$	39	45	55	66	63	81	99	133	142
	CC	$P_{tC.20}$	28	29	57	62	127	182	233	270	259
63	---	$Pt_{0.20}$	83	88	114	134	118	137	155	228	201
	FAN	$P_{tF.20}$	38	38	53	60	61	79	95	129	137
	CC	$P_{tC.20}$	27	25	54	56	123	178	223	263	250
71	---	$Pt_{0.20}$	80	94	112	128	114	132	151	221	196
	FAN	$P_{tF.20}$	36	41	51	57	59	75	92	122	132
	CC	$P_{tC.20}$	26	27	53	54	118	170	216	248	241
80	---	$Pt_{0.20}$	78	83	107	126	100	123	142	216	174
	FAN	$P_{tF.20}$	35	36	49	56	50	65	83	119	113
	CC	$P_{tC.20}$	25	23	50	52	100	147	194	242	207
90	---	$Pt_{0.20}$	74	88	104	120	97	121	139	186	173
	FAN	$P_{tF.20}$	33	38	47	53	48	63	79	105	110
	CC	$P_{tC.20}$	24	25	48	50	96	142	185	213	200
100	---	$Pt_{0.20}$	72	77	100	116	95	116	135	178	169
	FAN	$P_{tF.20}$	32	33	45	51	46	61	77	99	106
	CC	$P_{tC.20}$	23	22	46	48	93	136	180	200	194
112	---	$Pt_{0.20}$	58	82	89	112	96	121	139	174	180
	FAN	$P_{tF.20}$	26	35	40	49	46	61	76	96	106
	CC	$P_{tC.20}$	18	23	41	46	93	137	178	196	193
125	---	$Pt_{0.20}$	57	61	85	99	93	116	136	177	175
	FAN	$P_{tF.20}$	25	26	38	43	45	59	74	94	102
	CC	$P_{tC.20}$	18	17	39	40	90	132	173	191	187
140	---	$Pt_{0.20}$	55	64	82	95	90	113	131	173	171
	FAN	$P_{tF.20}$	24	28	37	41	43	56	70	92	99
	CC	$P_{tC.20}$	17	18	38	39	86	127	164	187	181

20°C = 68°F

Nominal speed for all FAN ratings = 1200 rpm



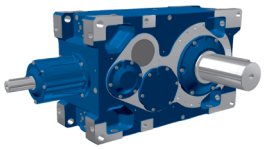
Right-Angle Thermal Ratings
M5 Mounting - 1200 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
160	---	$Pt_{0.20}$	54	57	79	92	88	109	127	164	166
	FAN	$P_{tF.20}$	24	24	35	40	42	54	68	86	96
	CC	$P_{tC.20}$	17	16	36	37	83	121	159	175	175
180	---	$Pt_{0.20}$	54	60	78	88	86	108	126	160	166
	FAN	$P_{tF.20}$	24	26	34	38	40	53	66	84	92
	CC	$P_{tC.20}$	17	17	35	36	81	119	155	171	169
200	---	$Pt_{0.20}$	52	56	75	87	83	104	123	158	161
	FAN	$P_{tF.20}$	23	24	33	37	39	51	64	81	89
	CC	$P_{tC.20}$	16	15	34	35	78	114	151	165	163
224	---	$Pt_{0.20}$	51	59	76	84	80	101	118	155	157
	FAN	$P_{tF.20}$	22	25	34	36	37	49	61	79	86
	CC	$P_{tC.20}$	16	16	35	34	75	110	143	162	158
250	---	$Pt_{0.20}$	50	53	73	85	78	97	115	145	152
	FAN	$P_{tF.20}$	22	23	32	37	36	47	59	74	84
	CC	$P_{tC.20}$	16	15	33	34	72	105	139	151	153
280	---	$Pt_{0.20}$	48	56	70	82	74	92	109	142	146
	FAN	$P_{tF.20}$	21	24	31	35	34	45	56	73	79
	CC	$P_{tC.20}$	15	16	32	33	69	100	132	148	144
315	---	$Pt_{0.20}$	47	50	67	78	72	89	106	131	141
	FAN	$P_{tF.20}$	20	21	29	33	33	43	55	68	76
	CC	$P_{tC.20}$	15	14	30	31	66	96	128	138	140
355	---	$Pt_{0.20}$	47	53	66	75	69	86	102	129	137
	FAN	$P_{tF.20}$	20	22	29	32	32	41	52	66	74
	CC	$P_{tC.20}$	15	14	30	30	63	93	122	135	135
400	---	$Pt_{0.20}$	45	48	63	74	67	83	99	129	133
	FAN	$P_{tF.20}$	20	20	28	31	31	40	50	66	71
	CC	$P_{tC.20}$	14	13	28	29	61	89	118	135	131
450	---	$Pt_{0.20}$	---	51	---	71	---	---	---	---	---
	FAN	$P_{tF.20}$	---	22	---	30	---	---	---	---	---
	CC	$P_{tC.20}$	---	14	---	28	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1200 rpm

Right-Angle Thermal Ratings
M5 Mounting - 1200 rpm @ 40°C



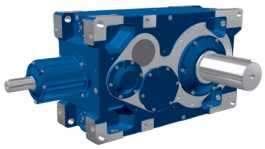
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	27	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	218	223	289	---	*
14	---	$Pt_{0.40}$	---	---	---	---	*	*	*	*	*
	FAN	$P_{tF.40}$	---	---	---	---	33	*	*	*	*
	CC	$P_{tC.20}$	---	---	---	---	215	220	292	210	*
16	---	$Pt_{0.40}$	---	---	---	---	*	*	*	*	*
	FAN	$P_{tF.40}$	---	---	---	---	85	5	*	*	*
	CC	$P_{tC.20}$	---	---	---	---	251	282	384	223	*
18	---	$Pt_{0.40}$	60	---	66	---	*	*	*	*	*
	FAN	$P_{tF.40}$	50	---	77	---	85	12	*	*	*
	CC	$P_{tC.20}$	46	---	102	---	243	273	377	356	*
20	---	$Pt_{0.40}$	60	68	65	86	4	*	*	*	*
	FAN	$P_{tF.40}$	48	49	73	83	107	64	66	83	*
	CC	$P_{tC.20}$	45	42	97	100	258	308	435	424	117
22,4	---	$Pt_{0.40}$	63	73	78	84	7	*	*	*	*
	FAN	$P_{tF.40}$	46	52	71	79	102	65	71	89	*
	CC	$P_{tC.20}$	43	44	95	95	246	294	422	418	127
25	---	$Pt_{0.40}$	62	70	76	97	34	*	*	*	*
	FAN	$P_{tF.40}$	45	46	68	77	91	98	134	159	*
	CC	$P_{tC.20}$	42	39	90	93	226	314	448	456	264
28	---	$Pt_{0.40}$	66	75	95	93	34	*	*	*	*
	FAN	$P_{tF.40}$	38	49	58	73	87	95	132	159	*
	CC	$P_{tC.20}$	35	42	78	89	216	299	432	447	260
31,5	---	$Pt_{0.40}$	64	71	92	111	80	66	121	13	59
	FAN	$P_{tF.40}$	37	38	56	64	72	91	130	185	206
	CC	$P_{tC.20}$	34	32	74	77	185	258	381	444	458
35,5	---	$Pt_{0.40}$	64	75	95	107	78	64	119	16	63
	FAN	$P_{tF.40}$	36	41	55	61	69	86	125	179	196
	CC	$P_{tC.20}$	33	34	73	74	178	246	366	431	437
40	---	$Pt_{0.40}$	63	68	91	109	83	73	133	148	114
	FAN	$P_{tF.40}$	35	36	52	60	66	83	116	140	178
	CC	$P_{tC.20}$	32	30	70	73	170	237	343	360	404

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm



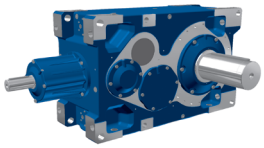
Right-Angle Thermal Ratings
M5 Mounting - 1200 rpm @ 40°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.40}$	61	73	91	105	80	71	130	160	113
	FAN	$P_{tF.40}$	34	38	51	57	63	79	112	128	170
	CC	$P_{tC.20}$	31	32	68	69	163	226	330	332	386
50	---	$Pt_{0.40}$	60	65	87	105	92	104	113	157	134
	FAN	$P_{tF.40}$	33	33	48	55	52	67	81	125	117
	CC	$P_{tC.20}$	30	28	65	67	135	196	246	324	276
56	---	$Pt_{0.40}$	67	69	93	100	90	100	110	171	132
	FAN	$P_{tF.40}$	31	36	44	53	50	64	79	107	113
	CC	$P_{tC.20}$	28	30	58	64	131	187	239	280	267
63	---	$Pt_{0.40}$	65	70	90	105	89	101	111	168	139
	FAN	$P_{tF.40}$	30	31	42	48	49	63	75	105	109
	CC	$P_{tC.20}$	28	26	56	58	126	182	229	273	257
71	---	$Pt_{0.40}$	63	74	88	101	86	97	109	164	135
	FAN	$P_{tF.40}$	29	33	41	46	47	60	73	98	105
	CC	$P_{tC.20}$	27	28	54	56	122	174	222	257	249
80	---	$Pt_{0.40}$	61	65	85	99	76	92	104	161	122
	FAN	$P_{tF.40}$	28	29	39	44	40	52	66	96	91
	CC	$P_{tC.20}$	26	24	52	54	103	151	199	250	213
90	---	$Pt_{0.40}$	59	70	82	95	74	91	102	136	123
	FAN	$P_{tF.40}$	26	30	38	42	38	51	63	85	88
	CC	$P_{tC.20}$	25	26	50	52	99	146	190	221	206
100	---	$Pt_{0.40}$	57	61	79	92	72	88	100	131	120
	FAN	$P_{tF.40}$	26	26	36	41	37	49	61	80	85
	CC	$P_{tC.20}$	24	22	48	50	96	140	185	208	200
112	---	$Pt_{0.40}$	46	65	70	88	74	92	104	129	132
	FAN	$P_{tF.40}$	21	28	32	39	37	49	61	78	84
	CC	$P_{tC.20}$	19	24	42	47	95	141	183	204	199
125	---	$Pt_{0.40}$	45	49	68	79	72	89	102	132	128
	FAN	$P_{tF.40}$	20	21	30	34	36	47	59	76	82
	CC	$P_{tC.20}$	19	18	40	42	92	135	178	198	192
140	---	$Pt_{0.40}$	44	51	65	76	70	87	98	130	126
	FAN	$P_{tF.40}$	19	22	29	33	34	45	56	75	79
	CC	$P_{tC.20}$	18	19	39	40	88	130	169	194	186

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm

Right-Angle Thermal Ratings
M5 Mounting - 1200 rpm @ 40°C

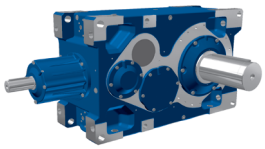


NORD DRIVESYSTEMS

Nom. Ratio	Cooling Type		SK 7407/ SK 7507 Thermal Power	SK 8407/ SK 8507 Thermal Power	SK 9407/ SK 9507 Thermal Power	SK 10407/ SK 10507 Thermal Power	SK 11407/ SK 11507 Thermal Power	SK 12407/ SK 12507 Thermal Power	SK 13407/ SK 13507 Thermal Power	SK 14407/ SK 14507 Thermal Power	SK 15407/ SK 15507 Thermal Power
i_N			P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]
160	---	$Pt_{0.40}$	43	46	63	73	68	84	96	123	123
	FAN	$P_{tF.40}$	19	19	28	32	33	43	54	70	77
	CC	$P_{tC.20}$	17	16	37	38	82	125	164	182	180
180	---	$Pt_{0.40}$	42	48	62	70	67	83	96	121	124
	FAN	$P_{tF.40}$	19	21	27	30	32	42	53	68	74
	CC	$P_{tC.20}$	17	17	37	37	80	123	160	178	174
200	---	$Pt_{0.40}$	41	44	60	69	65	80	93	120	121
	FAN	$P_{tF.40}$	18	19	26	30	31	41	51	66	71
	CC	$P_{tC.20}$	17	16	35	36	81	117	155	171	168
224	---	$Pt_{0.40}$	41	47	61	67	62	78	90	117	118
	FAN	$P_{tF.40}$	18	20	27	29	30	39	49	64	69
	CC	$P_{tC.20}$	17	17	36	35	77	113	147	168	163
250	---	$Pt_{0.40}$	40	43	58	68	60	75	87	111	114
	FAN	$P_{tF.40}$	17	18	26	29	29	38	47	60	67
	CC	$P_{tC.20}$	16	15	34	35	74	108	143	157	157
280	---	$Pt_{0.40}$	38	45	56	65	58	72	83	108	110
	FAN	$P_{tF.40}$	17	19	24	28	27	36	45	59	63
	CC	$P_{tC.20}$	15	16	33	34	71	103	136	153	148
315	---	$Pt_{0.40}$	37	40	54	63	56	69	81	100	107
	FAN	$P_{tF.40}$	16	17	23	27	26	34	44	55	61
	CC	$P_{tC.20}$	15	14	31	32	68	99	132	143	144
355	---	$Pt_{0.40}$	37	42	53	60	54	67	78	98	104
	FAN	$P_{tF.40}$	16	18	23	25	25	33	41	53	59
	CC	$P_{tC.20}$	15	15	31	31	65	95	125	140	139
400	---	$Pt_{0.40}$	36	38	51	59	52	64	76	98	101
	FAN	$P_{tF.40}$	16	16	22	25	24	32	40	53	57
	CC	$P_{tC.20}$	15	14	29	30	63	92	121	140	135
450	---	$Pt_{0.40}$	---	41	---	56	---	---	---	---	---
	FAN	$P_{tF.40}$	---	17	---	24	---	---	---	---	---
	CC	$P_{tC.20}$	---	15	---	29	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1200 rpm



Right-Angle Thermal Ratings
M5 Mounting - 1500 rpm @ 20°C

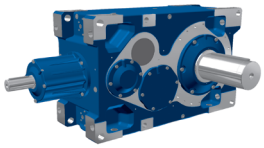
Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	126	29	*	---	*
14	---	$Pt_{0.20}$	---	---	---	---	*	*	*	*	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	*	*
	CC	$P_{tC.20}$	---	---	---	---	132	45	*	*	*
16	---	$Pt_{0.20}$	---	---	---	---	*	*	*	*	*
	FAN	$P_{tF.20}$	---	---	---	---	49	*	*	*	*
	CC	$P_{tC.20}$	---	---	---	---	201	169	189	*	*
18	---	$Pt_{0.20}$	67	---	62	---	*	*	*	*	*
	FAN	$P_{tF.20}$	67	---	106	---	54	*	*	*	*
	CC	$P_{tC.20}$	48	---	109	---	198	170	198	143	*
20	---	$Pt_{0.20}$	67	79	62	87	*	*	*	*	*
	FAN	$P_{tF.20}$	65	67	101	113	102	*	*	*	*
	CC	$P_{tC.20}$	47	44	103	106	234	234	319	286	*
22,4	---	$Pt_{0.20}$	73	85	83	87	*	*	*	*	*
	FAN	$P_{tF.20}$	63	71	97	108	101	2	*	*	*
	CC	$P_{tC.20}$	45	46	100	101	228	227	315	289	*
25	---	$Pt_{0.20}$	72	83	81	107	*	*	*	*	*
	FAN	$P_{tF.20}$	61	62	93	105	131	69	83	99	*
	CC	$P_{tC.20}$	44	40	95	98	249	269	385	377	*
28	---	$Pt_{0.20}$	82	89	117	105	1	*	*	*	*
	FAN	$P_{tF.20}$	51	66	79	100	127	69	86	104	*
	CC	$P_{tC.20}$	37	43	81	93	239	258	375	373	*
31,5	---	$Pt_{0.20}$	80	89	113	137	88	58	119	*	*
	FAN	$P_{tF.20}$	50	51	75	86	98	124	180	185	275
	CC	$P_{tC.20}$	36	33	77	80	195	274	408	419	489
35,5	---	$Pt_{0.20}$	81	95	118	133	86	57	118	*	*
	FAN	$P_{tF.20}$	48	55	74	82	94	118	173	184	270
	CC	$P_{tC.20}$	34	36	76	77	187	261	392	412	475
40	---	$Pt_{0.20}$	79	87	114	137	94	74	146	155	80
	FAN	$P_{tF.20}$	47	48	71	80	89	113	159	192	251
	CC	$P_{tC.20}$	34	31	73	75	178	250	364	384	441

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1500 rpm

Right-Angle Thermal Ratings
M5 Mounting - 1500 rpm @ 20°C

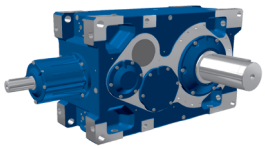


NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.20}$	78	92	115	132	92	72	143	181	82
	FAN	$P_{tF.20}$	45	51	68	77	86	108	153	175	239
	CC	$P_{tC.20}$	32	33	70	72	171	238	350	352	421
50	---	$Pt_{0.20}$	76	83	110	133	116	127	134	178	149
	FAN	$P_{tF.20}$	44	45	65	74	70	91	109	170	158
	CC	$P_{tC.20}$	31	29	67	70	141	204	257	343	289
56	---	$Pt_{0.20}$	87	88	121	127	113	123	132	208	147
	FAN	$P_{tF.20}$	41	48	59	71	68	87	106	145	153
	CC	$P_{tC.20}$	29	31	61	66	136	195	249	294	279
63	---	$Pt_{0.20}$	85	91	116	137	112	125	135	205	161
	FAN	$P_{tF.20}$	40	41	56	64	65	84	101	142	147
	CC	$P_{tC.20}$	29	27	58	60	131	190	238	287	269
71	---	$Pt_{0.20}$	82	97	115	131	109	120	132	203	157
	FAN	$P_{tF.20}$	38	44	55	61	63	81	98	133	142
	CC	$P_{tC.20}$	27	29	56	57	126	181	231	269	260
80	---	$Pt_{0.20}$	80	86	110	129	96	116	127	199	142
	FAN	$P_{tF.20}$	37	38	52	60	54	70	89	129	122
	CC	$P_{tC.20}$	27	25	54	56	107	157	208	263	223
90	---	$Pt_{0.20}$	77	91	107	124	94	115	125	166	145
	FAN	$P_{tF.20}$	36	41	50	57	51	68	85	115	118
	CC	$P_{tC.20}$	25	27	52	53	103	152	199	233	216
100	---	$Pt_{0.20}$	75	79	102	120	92	111	122	161	142
	FAN	$P_{tF.20}$	35	35	48	55	50	65	83	108	115
	CC	$P_{tC.20}$	25	23	50	51	100	146	194	219	209
112	---	$Pt_{0.20}$	61	85	91	115	95	117	130	158	161
	FAN	$P_{tF.20}$	28	38	42	52	50	65	81	106	113
	CC	$P_{tC.20}$	20	25	44	49	99	147	191	214	207
125	---	$Pt_{0.20}$	59	64	88	103	92	113	127	165	157
	FAN	$P_{tF.20}$	27	28	41	46	48	63	79	103	110
	CC	$P_{tC.20}$	19	18	42	43	96	141	185	208	200
140	---	$Pt_{0.20}$	57	67	85	99	89	111	123	162	155
	FAN	$P_{tF.20}$	26	29	39	44	46	61	75	101	106
	CC	$P_{tC.20}$	18	19	40	41	92	136	176	204	194

20°C = 68°F

Nominal speed for all FAN ratings = 1500 rpm



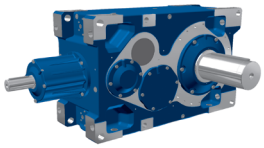
Right-Angle Thermal Ratings
M5 Mounting - 1500 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
160	---	$Pt_{0.20}$	56	60	82	95	87	106	120	154	151
	FAN	$P_{tF.20}$	25	26	38	42	44	58	73	94	103
	CC	$P_{tC.20}$	18	17	39	40	89	130	171	191	188
180	---	$Pt_{0.20}$	56	63	81	92	86	107	121	150	154
	FAN	$P_{tF.20}$	25	28	37	41	43	57	71	92	99
	CC	$P_{tC.20}$	18	18	38	38	86	128	166	187	181
200	---	$Pt_{0.20}$	54	58	78	90	83	102	118	151	150
	FAN	$P_{tF.20}$	25	25	35	40	42	55	69	89	96
	CC	$P_{tC.20}$	17	16	36	37	84	122	162	180	175
224	---	$Pt_{0.20}$	54	61	79	87	80	100	113	148	147
	FAN	$P_{tF.20}$	24	27	36	38	40	53	66	87	93
	CC	$P_{tC.20}$	17	17	37	36	80	118	153	176	169
250	---	$Pt_{0.20}$	52	56	76	89	78	96	110	139	142
	FAN	$P_{tF.20}$	23	24	34	39	39	50	64	81	90
	CC	$P_{tC.20}$	17	16	35	37	77	113	149	164	164
280	---	$Pt_{0.20}$	50	59	73	85	74	92	105	136	138
	FAN	$P_{tF.20}$	22	25	33	37	37	48	60	79	84
	CC	$P_{tC.20}$	16	17	34	35	73	107	141	161	154
315	---	$Pt_{0.20}$	49	52	70	82	72	88	103	126	134
	FAN	$P_{tF.20}$	22	22	32	36	35	46	59	74	82
	CC	$P_{tC.20}$	15	15	32	33	71	103	137	149	149
355	---	$Pt_{0.20}$	49	55	69	79	69	86	98	123	131
	FAN	$P_{tF.20}$	22	24	31	34	34	44	56	72	79
	CC	$P_{tC.20}$	15	15	32	32	68	99	130	146	145
400	---	$Pt_{0.20}$	47	51	66	77	67	82	96	123	127
	FAN	$P_{tF.20}$	21	22	30	33	33	43	54	72	77
	CC	$P_{tC.20}$	15	14	30	31	66	95	127	146	140
450	---	$Pt_{0.20}$	---	54	---	74	---	---	---	---	---
	FAN	$P_{tF.20}$	---	23	---	32	---	---	---	---	---
	CC	$P_{tC.20}$	---	15	---	30	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1500 rpm

Right-Angle Thermal Ratings
M5 Mounting - 1500 rpm @ 40°C



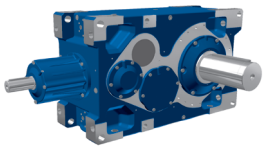
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	53	*	*	---	*
14	---	$Pt_{0.40}$	---	---	---	---	*	*	*	*	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	*	*
	CC	$P_{tC.20}$	---	---	---	---	63	*	*	*	*
16	---	$Pt_{0.40}$	---	---	---	---	*	*	*	*	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	*	*
	CC	$P_{tC.20}$	---	---	---	---	140	88	60	*	*
18	---	$Pt_{0.40}$	34	---	4	---	*	*	*	*	*
	FAN	$P_{tF.40}$	56	---	93	---	*	*	*	*	*
	CC	$P_{tC.20}$	52	---	121	---	141	93	79	*	*
20	---	$Pt_{0.40}$	35	46	8	27	*	*	*	*	*
	FAN	$P_{tF.40}$	54	54	89	97	*	*	*	*	*
	CC	$P_{tC.20}$	50	46	115	117	180	163	219	168	*
22,4	---	$Pt_{0.40}$	43	49	34	30	*	*	*	*	*
	FAN	$P_{tF.40}$	51	58	82	92	2	*	*	*	*
	CC	$P_{tC.20}$	47	49	108	110	176	160	220	175	*
25	---	$Pt_{0.40}$	43	53	35	55	*	*	*	*	*
	FAN	$P_{tF.40}$	50	50	78	87	46	*	*	*	*
	CC	$P_{tC.20}$	46	43	102	105	200	207	301	277	*
28	---	$Pt_{0.40}$	58	56	80	55	*	*	*	*	*
	FAN	$P_{tF.40}$	41	54	63	82	46	*	*	*	*
	CC	$P_{tC.20}$	38	46	84	99	194	199	294	276	*
31,5	---	$Pt_{0.40}$	57	64	78	96	39	*	21	*	*
	FAN	$P_{tF.40}$	40	41	61	69	81	100	160	9	86
	CC	$P_{tC.20}$	37	35	81	83	204	284	439	333	387
35,5	---	$Pt_{0.40}$	58	68	83	93	39	*	25	*	*
	FAN	$P_{tF.40}$	39	44	59	66	78	98	153	14	91
	CC	$P_{tC.20}$	36	37	79	80	196	273	421	327	377
40	---	$Pt_{0.40}$	57	63	80	99	50	17	67	56	*
	FAN	$P_{tF.40}$	38	39	57	64	73	96	134	166	171
	CC	$P_{tC.20}$	35	33	76	78	185	263	384	410	429

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1500 rpm



Right-Angle Thermal Ratings
M5 Mounting - 1500 rpm @ 40°C

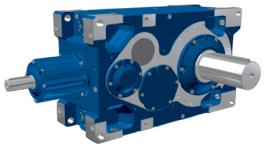
Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.40}$	56	68	82	95	50	17	67	95	*
	FAN	$P_{tF.40}$	36	41	55	61	70	91	129	146	169
	CC	$P_{tC.20}$	33	35	73	75	178	251	369	371	415
50	---	$Pt_{0.40}$	55	61	79	97	83	85	84	95	75
	FAN	$P_{tF.40}$	35	36	52	59	56	73	88	142	129
	CC	$P_{tC.20}$	32	30	70	72	144	210	264	361	300
56	---	$Pt_{0.40}$	68	65	94	93	80	82	82	139	75
	FAN	$P_{tF.40}$	33	38	47	57	54	69	85	119	125
	CC	$P_{tC.20}$	30	32	63	69	139	200	256	306	290
63	---	$Pt_{0.40}$	66	71	90	106	81	85	88	137	93
	FAN	$P_{tF.40}$	32	33	45	51	52	67	81	116	119
	CC	$P_{tC.20}$	30	28	60	62	135	195	245	299	278
71	---	$Pt_{0.40}$	64	76	89	102	79	82	86	140	91
	FAN	$P_{tF.40}$	31	35	44	49	50	65	79	108	115
	CC	$P_{tC.20}$	28	30	58	59	130	186	238	280	269
80	---	$Pt_{0.40}$	63	67	86	101	71	83	85	138	85
	FAN	$P_{tF.40}$	30	31	42	47	43	56	72	105	99
	CC	$P_{tC.20}$	28	26	56	58	110	162	215	273	231
90	---	$Pt_{0.40}$	60	71	83	97	70	83	85	111	91
	FAN	$P_{tF.40}$	28	33	40	45	41	55	69	95	96
	CC	$P_{tC.20}$	26	28	53	55	106	157	205	244	223
100	---	$Pt_{0.40}$	58	62	80	94	68	80	83	109	89
	FAN	$P_{tF.40}$	27	28	38	44	40	52	67	89	93
	CC	$P_{tC.20}$	25	24	51	53	103	151	200	229	217
112	---	$Pt_{0.40}$	48	67	72	90	71	87	92	107	109
	FAN	$P_{tF.40}$	22	30	34	42	40	52	65	87	91
	CC	$P_{tC.20}$	20	25	45	51	102	151	197	224	213
125	---	$Pt_{0.40}$	47	50	69	81	69	84	90	116	106
	FAN	$P_{tF.40}$	21	22	32	37	38	50	64	84	88
	CC	$P_{tC.20}$	20	19	43	45	99	145	191	217	207
140	---	$Pt_{0.40}$	45	53	67	78	67	82	88	114	106
	FAN	$P_{tF.40}$	21	23	31	35	37	49	61	82	85
	CC	$P_{tC.20}$	19	20	42	43	95	140	182	212	200

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1500 rpm

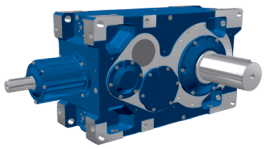
Right-Angle Thermal Ratings
M5 Mounting - 1500 rpm @ 40°C



Nom. Ratio	Cooling Type		SK 7407/ SK 7507 Thermal Power	SK 8407/ SK 8507 Thermal Power	SK 9407/ SK 9507 Thermal Power	SK 10407/ SK 10507 Thermal Power	SK 11407/ SK 11507 Thermal Power	SK 12407/ SK 12507 Thermal Power	SK 13407/ SK 13507 Thermal Power	SK 14407/ SK 14507 Thermal Power	SK 15407/ SK 15507 Thermal Power
i_N			P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]
160	---	$Pt_{0.40}$	44	47	64	75	65	79	86	109	103
	FAN	$P_{tF.40}$	20	21	30	34	36	47	59	77	83
	CC	$P_{tC.20}$	19	18	40	41	92	134	177	199	194
180	---	$Pt_{0.40}$	44	50	64	72	65	80	88	107	109
	FAN	$P_{tF.40}$	20	22	29	32	34	46	57	75	79
	CC	$P_{tC.20}$	19	19	39	40	89	131	171	195	186
200	---	$Pt_{0.40}$	43	46	61	71	63	77	85	109	106
	FAN	$P_{tF.40}$	19	20	28	32	33	44	55	72	77
	CC	$P_{tC.20}$	18	17	38	39	86	126	167	187	181
224	---	$Pt_{0.40}$	42	49	63	69	61	75	82	107	104
	FAN	$P_{tF.40}$	19	21	29	31	32	42	53	71	74
	CC	$P_{tC.20}$	18	18	38	37	82	121	158	183	175
250	---	$Pt_{0.40}$	41	44	60	70	59	72	80	101	101
	FAN	$P_{tF.40}$	18	19	27	31	31	40	51	66	72
	CC	$P_{tC.20}$	17	16	37	38	80	116	154	171	169
280	---	$Pt_{0.40}$	40	47	58	68	57	69	77	99	99
	FAN	$P_{tF.40}$	18	20	26	30	29	38	48	65	68
	CC	$P_{tC.20}$	16	17	35	36	75	111	146	167	159
315	---	$Pt_{0.40}$	39	41	56	65	55	67	75	91	96
	FAN	$P_{tF.40}$	17	18	25	28	28	37	47	60	65
	CC	$P_{tC.20}$	16	15	33	35	73	106	141	155	154
355	---	$Pt_{0.40}$	39	44	55	62	53	65	72	89	94
	FAN	$P_{tF.40}$	17	19	25	27	27	36	45	59	63
	CC	$P_{tC.20}$	16	16	33	33	70	102	134	152	149
400	---	$Pt_{0.40}$	38	40	52	61	51	63	71	89	91
	FAN	$P_{tF.40}$	17	17	24	27	26	34	44	59	61
	CC	$P_{tC.20}$	16	15	31	32	68	98	131	152	144
450	---	$Pt_{0.40}$	---	43	---	59	---	---	---	---	---
	FAN	$P_{tF.40}$	---	18	---	26	---	---	---	---	---
	CC	$P_{tC.20}$	---	16	---	31	---	---	---	---	---

40°C = 104°F

Nominal speed for all FAN ratings = 1500 rpm



Right-Angle Thermal Ratings
M5 Mounting - 1800 rpm @ 20°C

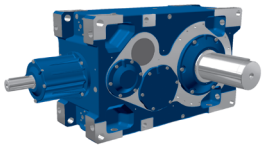
Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.20}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
14	---	$Pt_{0.20}$	---	---	---	---	*	*	*	*	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	*	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	*	*
16	---	$Pt_{0.20}$	---	---	---	---	*	*	*	*	*
	FAN	$P_{tF.20}$	---	---	---	---	*	*	*	*	*
	CC	$P_{tC.20}$	---	---	---	---	39	*	*	*	*
18	---	$Pt_{0.20}$	34	---	*	---	*	*	*	*	*
	FAN	$P_{tF.20}$	75	---	108	---	*	*	*	*	*
	CC	$P_{tC.20}$	54	---	111	---	48	*	*	*	*
20	---	$Pt_{0.20}$	35	50	*	9	*	*	*	*	*
	FAN	$P_{tF.20}$	73	73	108	135	*	*	*	*	*
	CC	$P_{tC.20}$	53	48	111	127	120	19	*	*	*
22,4	---	$Pt_{0.20}$	48	54	25	14	*	*	*	*	*
	FAN	$P_{tF.20}$	68	78	112	127	*	*	*	*	*
	CC	$P_{tC.20}$	49	51	115	120	121	28	*	*	*
25	---	$Pt_{0.20}$	48	61	27	53	*	*	*	*	*
	FAN	$P_{tF.20}$	67	67	106	117	27	*	*	*	*
	CC	$P_{tC.20}$	48	44	109	110	166	118	169	106	*
28	---	$Pt_{0.20}$	72	66	98	54	*	*	*	*	*
	FAN	$P_{tF.20}$	54	72	84	111	30	*	*	*	*
	CC	$P_{tC.20}$	39	47	87	105	162	117	170	115	*
31,5	---	$Pt_{0.20}$	71	81	95	119	35	*	*	*	*
	FAN	$P_{tF.20}$	53	54	81	91	110	113	208	*	28
	CC	$P_{tC.20}$	38	36	83	86	213	275	461	237	301
35,5	---	$Pt_{0.20}$	73	86	103	116	36	*	*	*	*
	FAN	$P_{tF.20}$	51	58	79	87	105	111	206	*	42
	CC	$P_{tC.20}$	37	38	81	82	205	265	448	236	299
40	---	$Pt_{0.20}$	71	80	100	124	54	2	60	32	*
	FAN	$P_{tF.20}$	50	51	76	86	98	131	182	230	175
	CC	$P_{tC.20}$	36	33	78	80	193	279	407	442	393

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1800 rpm

Right-Angle Thermal Ratings
M5 Mounting - 1800 rpm @ 20°C

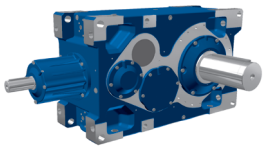


Nom. Ratio	Cooling Type		SK 7407/ SK 7507 Thermal Power	SK 8407/ SK 8507 Thermal Power	SK 9407/ SK 9507 Thermal Power	SK 10407/ SK 10507 Thermal Power	SK 11407/ SK 11507 Thermal Power	SK 12407/ SK 12507 Thermal Power	SK 13407/ SK 13507 Thermal Power	SK 14407/ SK 14507 Thermal Power	SK 15407/ SK 15507 Thermal Power
i_N			P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]
45	---	$Pt_{0.20}$	71	86	103	119	54	4	61	97	*
	FAN	$P_{tF.20}$	48	54	73	82	94	125	175	198	174
	CC	$P_{tC.20}$	34	35	75	77	185	266	391	391	382
50	---	$Pt_{0.20}$	70	78	100	122	103	103	98	98	76
	FAN	$P_{tF.20}$	46	48	70	79	74	97	117	192	173
	CC	$P_{tC.20}$	33	31	72	74	149	216	273	380	312
56	---	$Pt_{0.20}$	88	83	121	118	101	100	97	168	77
	FAN	$P_{tF.20}$	44	51	62	75	72	92	113	158	167
	CC	$P_{tC.20}$	31	33	64	71	143	207	265	319	302
63	---	$Pt_{0.20}$	85	92	116	137	102	105	106	166	104
	FAN	$P_{tF.20}$	42	43	60	68	69	90	108	155	159
	CC	$P_{tC.20}$	30	28	61	63	138	201	253	311	288
71	---	$Pt_{0.20}$	83	98	115	132	100	102	104	172	103
	FAN	$P_{tF.20}$	41	46	58	65	67	86	105	144	154
	CC	$P_{tC.20}$	29	30	60	61	133	192	245	290	278
80	---	$Pt_{0.20}$	81	87	111	130	89	103	102	169	96
	FAN	$P_{tF.20}$	40	41	55	63	57	75	96	140	132
	CC	$P_{tC.20}$	28	26	57	59	114	167	223	283	239
90	---	$Pt_{0.20}$	78	93	108	125	88	104	104	133	105
	FAN	$P_{tF.20}$	38	43	53	60	55	72	91	127	128
	CC	$P_{tC.20}$	27	28	55	56	109	161	212	254	231
100	---	$Pt_{0.20}$	76	81	103	122	86	100	102	133	103
	FAN	$P_{tF.20}$	36	37	51	58	53	70	89	119	124
	CC	$P_{tC.20}$	26	24	52	54	106	155	207	238	225
112	---	$Pt_{0.20}$	62	86	93	117	91	110	115	130	132
	FAN	$P_{tF.20}$	29	40	45	55	52	69	87	116	121
	CC	$P_{tC.20}$	21	26	46	52	105	156	203	233	220
125	---	$Pt_{0.20}$	60	65	89	105	88	106	112	144	129
	FAN	$P_{tF.20}$	28	29	43	49	51	67	84	112	117
	CC	$P_{tC.20}$	20	19	44	46	102	149	197	225	214
140	---	$Pt_{0.20}$	58	69	87	101	86	104	110	141	129
	FAN	$P_{tF.20}$	27	31	41	47	49	64	81	109	114
	CC	$P_{tC.20}$	19	20	42	44	97	144	188	220	207

*** Additional Cooling Necessary - Consult Factory**

20°C = 68°F

Nominal speed for all FAN ratings = 1800 rpm



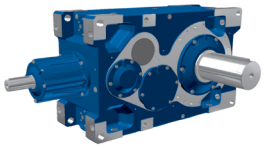
Right-Angle Thermal Ratings
M5 Mounting - 1800 rpm @ 20°C

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
160	---	$Pt_{0.20}$	57	62	83	98	84	100	107	135	126
	FAN	$P_{tF.20}$	27	28	40	45	47	62	78	102	110
	CC	$P_{tC.20}$	19	18	41	42	94	138	182	206	200
180	---	$Pt_{0.20}$	57	65	82	94	84	102	110	133	136
	FAN	$P_{tF.20}$	27	29	39	43	46	60	76	100	105
	CC	$P_{tC.20}$	19	19	40	40	91	135	177	202	192
200	---	$Pt_{0.20}$	56	60	79	92	81	98	107	136	132
	FAN	$P_{tF.20}$	26	27	37	42	44	58	74	96	102
	CC	$P_{tC.20}$	18	17	38	40	88	130	172	194	186
224	---	$Pt_{0.20}$	55	63	81	89	78	96	104	134	130
	FAN	$P_{tF.20}$	25	28	38	41	42	56	70	94	99
	CC	$P_{tC.20}$	18	18	39	38	84	125	163	190	180
250	---	$Pt_{0.20}$	54	58	78	91	76	92	101	126	126
	FAN	$P_{tF.20}$	25	25	36	41	41	54	68	88	96
	CC	$P_{tC.20}$	18	16	37	39	82	120	159	177	174
280	---	$Pt_{0.20}$	52	61	75	88	73	89	98	124	125
	FAN	$P_{tF.20}$	24	27	35	39	39	51	64	86	90
	CC	$P_{tC.20}$	17	17	36	37	77	114	150	173	164
315	---	$Pt_{0.20}$	50	54	72	84	71	85	95	114	121
	FAN	$P_{tF.20}$	23	24	33	38	38	49	62	79	87
	CC	$P_{tC.20}$	16	15	34	35	75	109	146	161	159
355	---	$Pt_{0.20}$	50	57	71	81	68	83	92	112	118
	FAN	$P_{tF.20}$	23	25	33	36	36	47	59	78	84
	CC	$P_{tC.20}$	16	16	33	34	72	105	139	157	154
400	---	$Pt_{0.20}$	49	52	68	79	66	80	89	112	115
	FAN	$P_{tF.20}$	22	23	31	35	35	45	58	78	82
	CC	$P_{tC.20}$	16	15	32	33	69	101	135	157	149
450	---	$Pt_{0.20}$	---	55	---	76	---	---	---	---	---
	FAN	$P_{tF.20}$	---	24	---	34	---	---	---	---	---
	CC	$P_{tC.20}$	---	16	---	32	---	---	---	---	---

20°C = 68°F

Nominal speed for all FAN ratings = 1800 rpm

Right-Angle Thermal Ratings
M5 Mounting - 1800 rpm @ 40°C



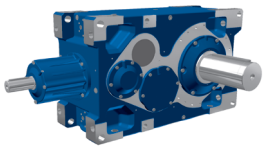
NORD DRIVESYSTEMS

Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
12,5	---	$Pt_{0.40}$	---	---	---	---	*	*	*	---	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	---	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	---	*
14	---	$Pt_{0.40}$	---	---	---	---	*	*	*	*	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	*	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	*	*
16	---	$Pt_{0.40}$	---	---	---	---	*	*	*	*	*
	FAN	$P_{tF.40}$	---	---	---	---	*	*	*	*	*
	CC	$P_{tC.20}$	---	---	---	---	*	*	*	*	*
18	---	$Pt_{0.40}$	*	---	*	---	*	*	*	*	*
	FAN	$P_{tF.40}$	59	---	25	---	*	*	*	*	*
	CC	$P_{tC.20}$	55	---	60	---	*	*	*	*	*
20	---	$Pt_{0.40}$	*	10	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	60	64	29	57	*	*	*	*	*
	CC	$P_{tC.20}$	56	55	62	80	55	*	*	*	*
22,4	---	$Pt_{0.40}$	12	12	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	59	67	65	59	*	*	*	*	*
	CC	$P_{tC.20}$	55	58	94	81	58	*	*	*	*
25	---	$Pt_{0.40}$	13	26	*	*	*	*	*	*	*
	FAN	$P_{tF.40}$	57	56	64	93	*	*	*	*	*
	CC	$P_{tC.20}$	53	48	92	113	111	40	58	*	*
28	---	$Pt_{0.40}$	46	29	57	*	*	*	*	*	*
	FAN	$P_{tF.40}$	44	60	69	91	*	*	*	*	*
	CC	$P_{tC.20}$	41	51	91	111	110	44	66	*	*
31,5	---	$Pt_{0.40}$	46	54	56	74	*	*	*	*	*
	FAN	$P_{tF.40}$	43	44	66	74	72	17	70	*	*
	CC	$P_{tC.20}$	40	37	87	90	205	223	388	132	179
35,5	---	$Pt_{0.40}$	48	58	65	73	*	*	*	*	*
	FAN	$P_{tF.40}$	41	46	64	71	71	19	74	*	*
	CC	$P_{tC.20}$	38	39	85	86	200	216	379	135	183
40	---	$Pt_{0.40}$	48	55	64	82	1	*	*	*	*
	FAN	$P_{tF.40}$	40	41	61	69	86	49	125	119	*
	CC	$P_{tC.20}$	37	35	81	84	207	234	401	395	289

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1800 rpm



Right-Angle Thermal Ratings
M5 Mounting - 1800 rpm @ 40°C

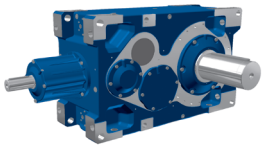
Nom. Ratio i_N	Cooling Type		SK 7407/ SK 7507 Thermal Power P_N [kW]	SK 8407/ SK 8507 Thermal Power P_N [kW]	SK 9407/ SK 9507 Thermal Power P_N [kW]	SK 10407/ SK 10507 Thermal Power P_N [kW]	SK 11407/ SK 11507 Thermal Power P_N [kW]	SK 12407/ SK 12507 Thermal Power P_N [kW]	SK 13407/ SK 13507 Thermal Power P_N [kW]	SK 14407/ SK 14507 Thermal Power P_N [kW]	SK 15407/ SK 15507 Thermal Power P_N [kW]
45	---	$Pt_{0.40}$	49	59	69	80	2	*	*	*	*
	FAN	$P_{tF.40}$	38	44	59	66	82	49	123	167	*
	CC	$P_{tC.20}$	36	37	78	80	199	225	389	416	284
50	---	$Pt_{0.40}$	48	55	67	84	68	57	43	*	*
	FAN	$P_{tF.40}$	37	38	56	64	60	78	95	166	136
	CC	$P_{tC.20}$	35	32	75	77	153	223	283	407	320
56	---	$Pt_{0.40}$	67	58	91	81	66	56	43	91	*
	FAN	$P_{tF.40}$	35	41	50	61	58	75	93	132	135
	CC	$P_{tC.20}$	32	34	66	74	148	214	274	336	313
63	---	$Pt_{0.40}$	66	71	88	105	69	63	55	90	25
	FAN	$P_{tF.40}$	34	35	48	54	55	72	87	129	133
	CC	$P_{tC.20}$	31	29	63	66	142	207	261	328	304
71	---	$Pt_{0.40}$	64	76	88	101	68	61	55	103	27
	FAN	$P_{tF.40}$	32	37	46	52	53	69	85	119	129
	CC	$P_{tC.20}$	30	31	62	63	138	198	253	304	294
80	---	$Pt_{0.40}$	62	67	85	100	62	68	57	101	31
	FAN	$P_{tF.40}$	32	32	44	50	46	61	78	116	111
	CC	$P_{tC.20}$	29	27	59	61	117	173	231	297	253
90	---	$Pt_{0.40}$	60	72	83	97	62	69	60	70	43
	FAN	$P_{tF.40}$	30	34	42	48	44	59	75	107	106
	CC	$P_{tC.20}$	28	29	57	58	113	167	221	269	243
100	---	$Pt_{0.40}$	59	63	80	94	61	67	59	74	43
	FAN	$P_{tF.40}$	29	30	41	46	43	56	73	100	103
	CC	$P_{tC.20}$	27	25	54	56	109	161	215	252	236
112	---	$Pt_{0.40}$	48	67	72	91	66	77	74	73	75
	FAN	$P_{tF.40}$	23	32	36	44	42	56	70	98	98
	CC	$P_{tC.20}$	21	27	48	54	108	160	210	246	229
125	---	$Pt_{0.40}$	47	51	69	81	64	74	72	90	74
	FAN	$P_{tF.40}$	23	23	34	39	41	54	68	93	95
	CC	$P_{tC.20}$	21	20	46	47	105	154	204	236	222
140	---	$Pt_{0.40}$	46	54	67	79	63	74	72	88	76
	FAN	$P_{tF.40}$	22	25	33	37	39	52	65	91	92
	CC	$P_{tC.20}$	20	21	44	45	100	149	194	231	215

*** Additional Cooling Necessary - Consult Factory**

40°C = 104°F

Nominal speed for all FAN ratings = 1800 rpm

Right-Angle Thermal Ratings
M5 Mounting - 1800 rpm @ 40°C



Nom. Ratio	Cooling Type		SK 7407/ SK 7507 Thermal Power	SK 8407/ SK 8507 Thermal Power	SK 9407/ SK 9507 Thermal Power	SK 10407/ SK 10507 Thermal Power	SK 11407/ SK 11507 Thermal Power	SK 12407/ SK 12507 Thermal Power	SK 13407/ SK 13507 Thermal Power	SK 14407/ SK 14507 Thermal Power	SK 15407/ SK 15507 Thermal Power
i_N			P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]	P_N [kW]
160	---	$Pt_{0.40}$	45	48	65	76	61	71	70	86	75
	FAN	$P_{tF.40}$	21	22	32	36	38	50	64	85	89
	CC	$P_{tC.20}$	20	19	42	44	97	143	189	217	208
180	---	$Pt_{0.40}$	45	51	64	73	62	74	75	84	87
	FAN	$P_{tF.40}$	21	23	31	34	37	49	61	83	85
	CC	$P_{tC.20}$	20	20	41	42	94	139	183	212	199
200	---	$Pt_{0.40}$	43	47	62	72	60	71	73	90	85
	FAN	$P_{tF.40}$	21	21	30	34	35	47	59	79	82
	CC	$P_{tC.20}$	19	18	40	41	91	134	178	203	193
224	---	$Pt_{0.40}$	43	50	64	70	58	69	71	88	84
	FAN	$P_{tF.40}$	20	22	30	32	34	45	57	77	80
	CC	$P_{tC.20}$	19	19	40	39	87	129	169	198	187
250	---	$Pt_{0.40}$	42	46	61	72	56	67	69	84	82
	FAN	$P_{tF.40}$	20	20	29	33	33	43	55	72	77
	CC	$P_{tC.20}$	18	17	39	40	85	124	164	186	181
280	---	$Pt_{0.40}$	41	48	59	69	54	65	68	83	83
	FAN	$P_{tF.40}$	19	21	28	31	31	41	52	71	72
	CC	$P_{tC.20}$	17	18	37	38	80	117	155	182	169
315	---	$Pt_{0.40}$	40	43	56	66	53	63	66	77	81
	FAN	$P_{tF.40}$	18	19	27	30	30	39	50	65	70
	CC	$P_{tC.20}$	17	16	35	37	77	113	151	168	164
355	---	$Pt_{0.40}$	40	45	55	64	51	61	64	75	79
	FAN	$P_{tF.40}$	18	20	26	29	29	38	48	64	68
	CC	$P_{tC.20}$	17	17	35	35	74	109	143	164	159
400	---	$Pt_{0.40}$	39	41	53	62	49	59	62	75	77
	FAN	$P_{tF.40}$	18	18	25	28	28	36	47	64	66
	CC	$P_{tC.20}$	16	15	33	34	72	104	139	164	154
450	---	$Pt_{0.40}$	---	44	---	60	---	---	---	---	---
	FAN	$P_{tF.40}$	---	19	---	27	---	---	---	---	---
	CC	$P_{tC.20}$	---	16	---	33	---	---	---	---	---

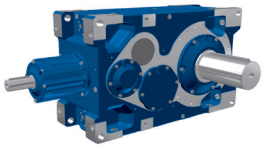
40°C = 104°F

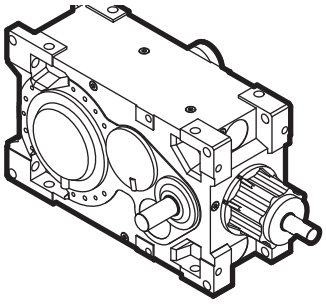
Nominal speed for all FAN ratings = 1800 rpm

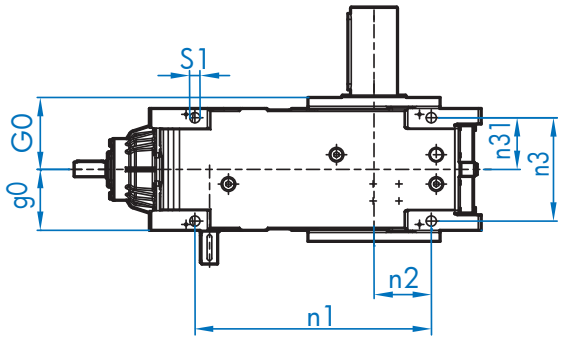
DRIVESYSTEMS

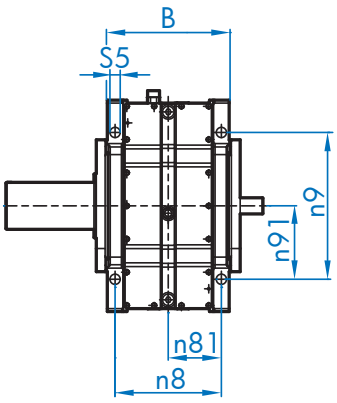
Right-Angle Dimensions

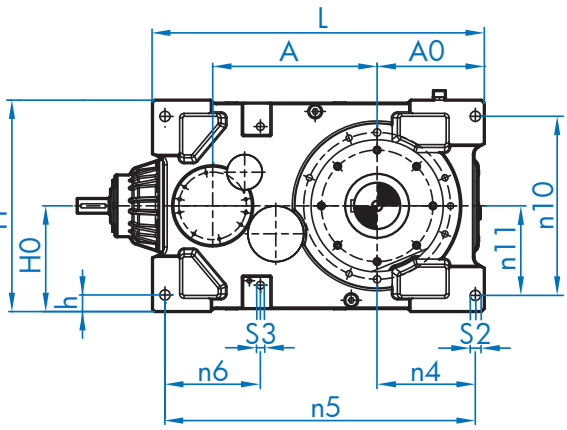
Right-Angle Drives
Dimension Overview

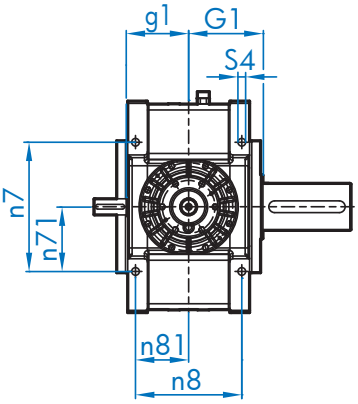






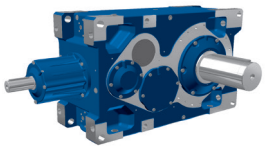




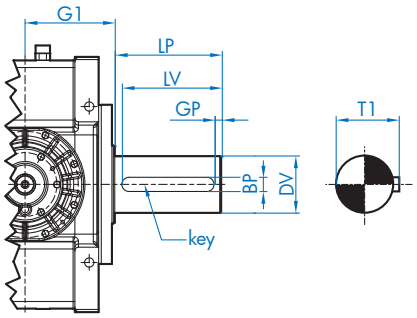


	OVERALL DIMENSIONS											MOUNTING HOLE DIM.			
	A	A0	B	g0	G0	g1	G1	h	H	H0	L	S1/S2/S4	S3	S5	⇨🕮
SK 7..07	440	295	350	175	189	179	197	35	530	265	870	ø 28	M24 x 30	M24	280
SK 8..07	465	325	350	175	189	179	197	35	590	295	925	ø 28	M24 x 30	M24	286
SK 9..07	530	330	415	207.5	248	212.5	253	45	650	325	1055	ø 35	M30 x 45	M30	292
SK 10..07	560	365	415	207.5	248	212.5	253	45	720	360	1130	ø 35	M30 x 45	M30	298
SK 11..07	630	370	440	254	270	260	280	52	750	375	1210	ø 42	M36 x 58	M36	304
SK 12..07	695	405	510	288.5	305	294	315	57	850	425	1345	ø 48	M42 x 65	M42	310
SK 13..07	780	475	550	323	343	328	353	60	950	475	1530	ø 55	M48 x 75	M48	316
SK 14..07	835	505	610	325	373	355	383	60	1050	525	1615	ø 55	M48 x 75	M48	322
SK 15..07	935	545	650	361	385	371	395	70	1100	550	1800	ø 65	M56 x 90	M56	328

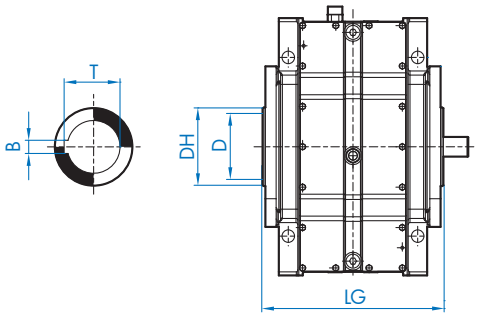
	CENTER DISTANCE DIMENSIONS															
	n1	n2	n3	n31	n4	n41	n5	n6	n7	n71	n8	n9	n91	n10	n11	⇨🕮
SK 7..07	590	160	305	152.5	270	820	220	380	190	300	150	380	190	460	230	280
SK 8..07	645	160	305	152.5	300	875	220	440	220	300	150	380	190	540	270	286
SK 9..07	730	175	352	176	302.5	995	325	440	220	362	181	440	220	540	270	292
SK 10..07	805	170	352	176	335	1057	325	500	250	362	181	440	220	640	320	298
SK 11..07	850	217.5	370	185	330	1130	340	520	260	385	192.5	520	260	670	335	304
SK 12..07	930	257.5	430	215	365	1265	410	600	300	440	220	600	300	770	385	310
SK 13..07	1050	290	465	232.5	425	1430	450	700	350	475	237.5	700	350	850	425	316
SK 14..07	1100	295	525	262.5	455	1515	150	780	390	535	267.5	700	350	950	475	322
SK 15..07	1230	345	550	275	490	1690	530	800	400	560	280	800	400	990	495	328



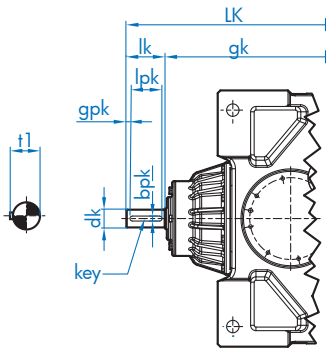
Right-Angle Drives
Dimension Overview



Solid Output Shaft



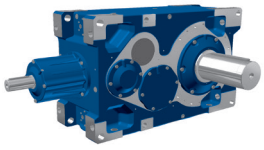
Hollow Shaft



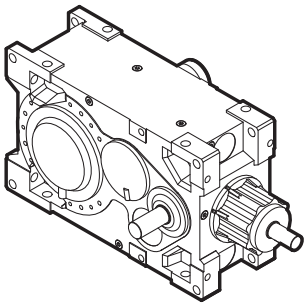
Solid Input Shaft

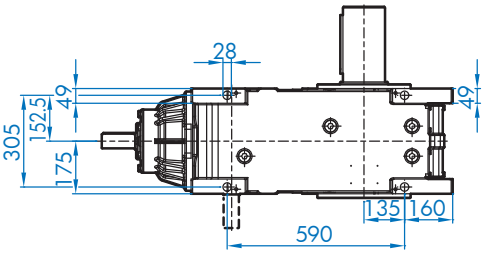
	SOLID OUTPUT SHAFT							HOLLOW SHAFT					
	DV	LV	LP	BP	GP	T1	key	D	DH	LG	B	T	⇨📖
SK 7..07	ø 140	250	200	36	25	148	36 x 20 x 200	ø 160	ø 125 H7	394	32	132.4	280
SK 8..07	ø 140	250	200	36	25	148	36 x 20 x 200	ø 160	ø 125 H7	394	32	132.4	286
SK 9..07	ø 160	300	260	40	20	169	40 x 20 x 260	ø 220	ø 160 H7	506	40	169.4	292
SK 10..07	ø 160	300	260	40	20	169	40 x 20 x 260	ø 220	ø 160 H7	506	40	169.4	298
SK 11..07	ø 170	300	260	40	20	179	40 x 22 x 260	ø 240	ø 170 H7	560	40	179.4	304
SK 12..07	ø 200	350	300	45	25	210	45 x 25 x 300	ø 250	ø 190 H7	630	45	200.4	310
SK 13..07	ø 230	410	350	50	31	241	50 x 28 x 350	ø 285	ø 230 H7	706	50	241.4	316
SK 14..07	ø 250	410	360	56	25	262	56 x 32 x 360	ø 285	ø 230 H7	766	50	241.4	322
SK 15..07	ø 250	410	360	56	25	262	56 x 32 x 360	ø 320	ø 250 H7	790	56	262.4	328

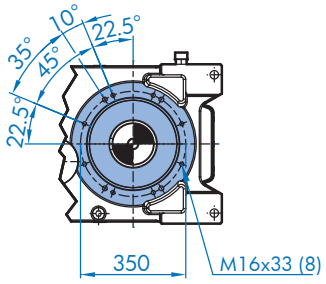
	SK..407 SOLID INPUT SHAFT										SK..507 SOLID INPUT SHAFT										
	i_N	LK	gk	dk	lk	lpk	bpk	t1	gpk	key	i_N	LK	gk	dk	lk	lpk	bpk	t1	gpk	key	⇨📖
SK 7..07	**18 - 50**	1167	1057	ø48	110	100	14	51.5	5.0	14x9x100	**112 - 400**	1065	1005	ø28	60	50	8	31.0	5.0	8x7x50	280
	56 - 100	1137	1057	ø38	80	70	10	41.0	5.0	10x8x70											
SK 8..07	**20 - 56**	1222	1112	ø48	110	100	14	51.5	5.0	14x9x100	**125 - 450**	1120	1060	ø28	60	50	8	31.0	5.0	8x7x50	286
	63 - 112	1192	1112	ø38	80	70	10	41.0	5.0	10x8x70											
SK 9..07	**18 - 50**	1322	1212	ø50	110	90	14	54.5	10.0	14x9x90	**112 - 400**	1262	1182	ø38	80	70	10	41.0	5.0	10x8x70	292
	56 - 100	1312	1212	ø40	100	80	12	43.0	10.0	12x8x80											
SK 10..07	**20 - 56**	1387	1277	ø50	110	90	14	54.5	10.0	14x9x90	**125 - 450**	1337	1257	ø38	80	70	10	41.0	5.0	10x8x70	298
	63 - 112	1377	1277	ø40	100	80	12	43.0	10.0	12x8x80											
SK 11..07	**12.6 - 45**	1564	1424	ø70	140	125	20	74.5	7.5	20x12x125	**80 - 400**	1481	1371	ø50	110	90	14	54.5	10.0	14x9x90	304
	50 - 71	1534	1424	ø50	110	90	14	54.5	10.0	14x9x90											
SK 12..07	**12.6 - 45**	1782	1612	ø80	170	140	22	85.0	15.0	22x14x140	**80 - 400**	1634	1524	ø50	110	90	14	54.5	10.0	14x9x90	310
	50 - 71	1752	1612	ø70	140	125	20	74.5	7.5	20x12x125											
SK 13..07	**12.6 - 45**	1997	1827	ø80	170	140	22	85.0	15.0	22x14x140	**80 - 400**	1907	1767	ø70	140	125	20	74.5	7.5	20x12x125	316
	50 - 71	1967	1827	ø70	140	125	20	74.5	7.5	20x12x125											
SK 14..07	**20 - 50**	2082	1912	ø80	170	140	22	85.0	15.0	22x14x140	**100 - 400**	2052	1912	ø70	140	125	20	74.5	7.5	20x12x125	322
	55 - 90	2052	1912	ø70	140	125	20	74.5	7.5	20x12x125											
SK 15..07	**12.6 - 45**	2332	2132	ø100	200	180	28	106	15.0	28x16x180	**80 - 400**	2192	2052	ø70	140	125	20	74.5	7.5	20x12x125	328
	50 - 71	2302	2132	ø80	170	140	22	85.0	15.0	22x14x140											

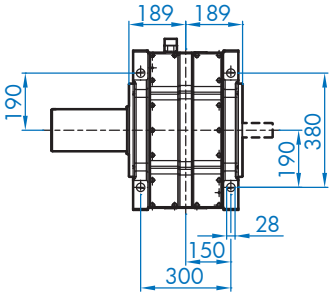


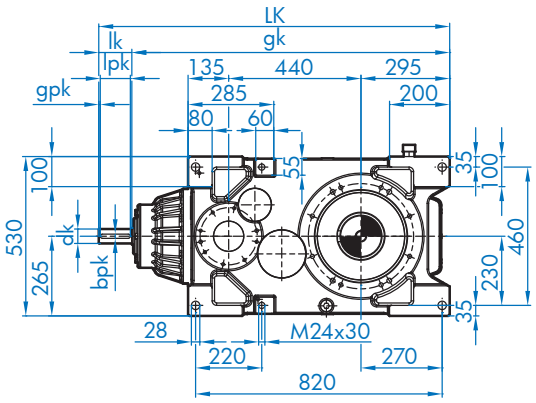
SK 7407/7507 V

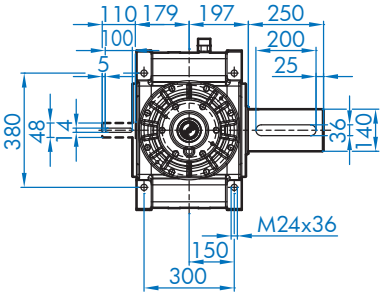




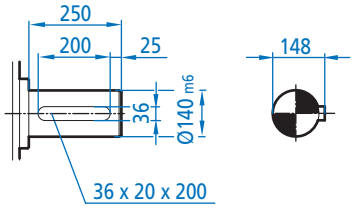




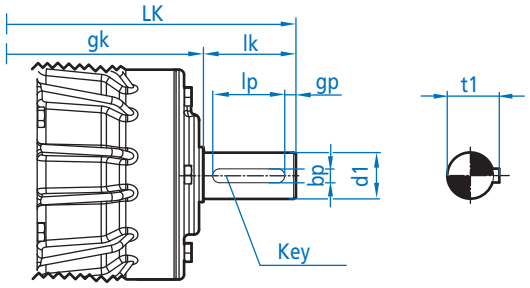




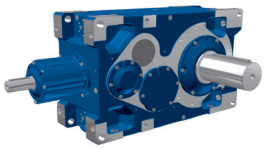
SK 7407/7507 V - Output Shaft Detail



SK 7407/7507 V - Input Shaft Detail

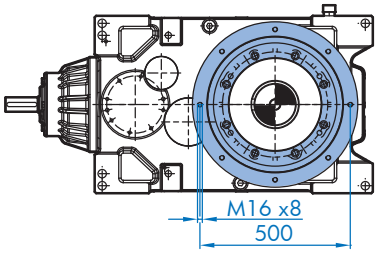


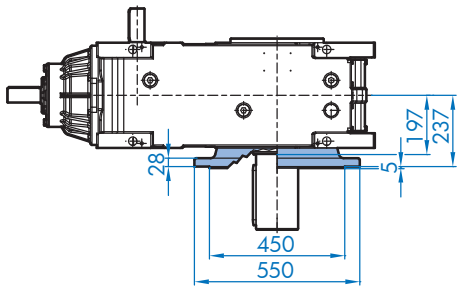
Bevel Input	Ratio	LK	gk	Ødk	t1	lk	lpk	bpk	gpk	key
SK 7407	18 - 50	1167	1057	48	51.5	110	100	14	5	14 x 9 x 100
	56 - 100	1137	1057	38	41	80	70	10	5	10 x 8 x 70
SK 7507	112 - 400	1065	1005	28	31	60	50	8	5	8 x 7 x 50



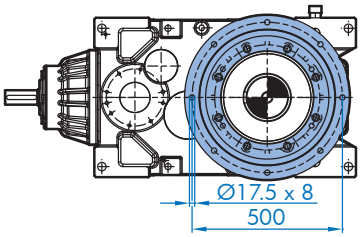
Right-Angle Drives
SK 7407 VF / SK 7507 VF

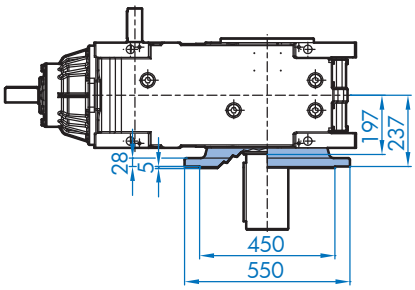
SK 7407/7507 VF



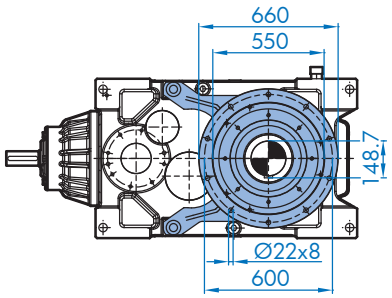


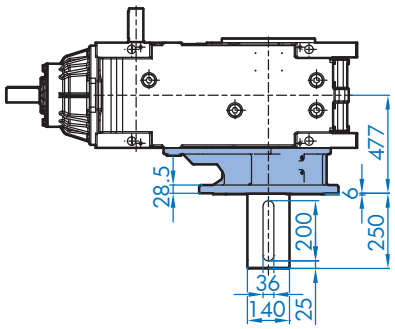
SK 7407/7507 VFK



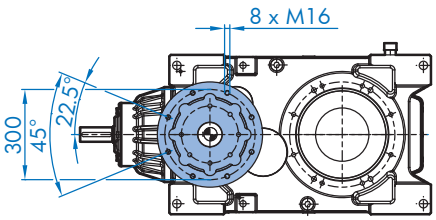


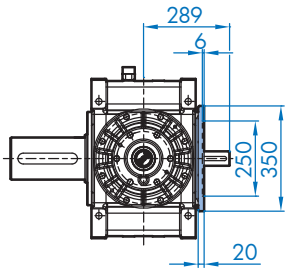
SK 7407/7507 VL2/VL3/VL4



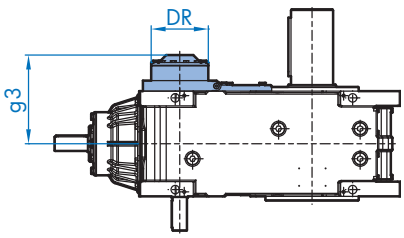


SK 7407/7507 F1 - Input Flange



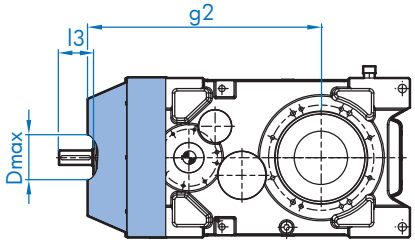


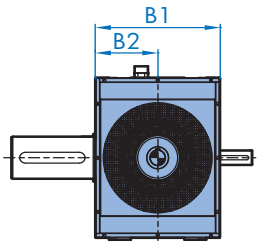
SK 7407/7507 R - Backstop



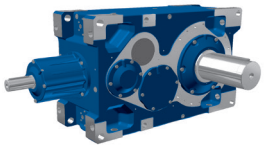
R	i_N	DR	g3
SK7407	18 - 100	190	295
SK7507	112 - 400	175	288

SK 7407/7507 FAN



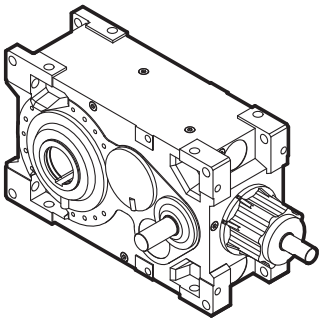


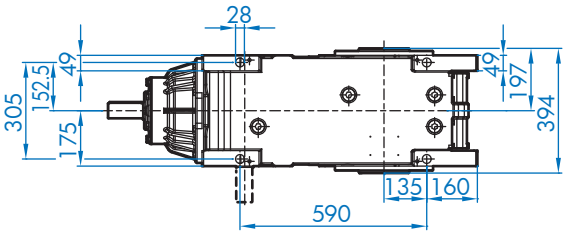
FAN	i_N	B1	B2	g2	l3	Dmax
SK7407	18 - 50	438	219	848.5	74	Ø140
	56 - 100	438	219	848.5	44	Ø140
SK7507	112 - 400	438	219	796.5	24	Ø140

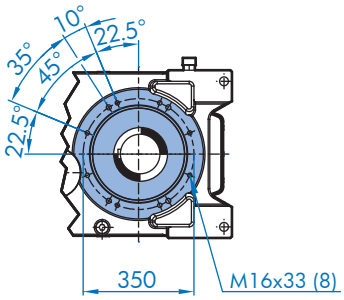


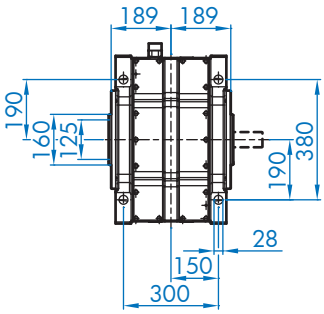
DRIVESYSTEMS

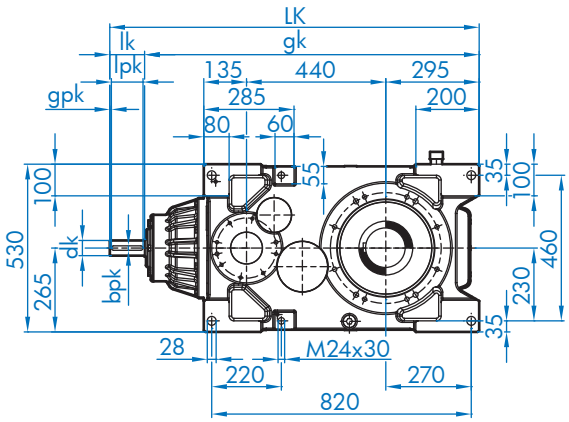
SK 7407/7507 A

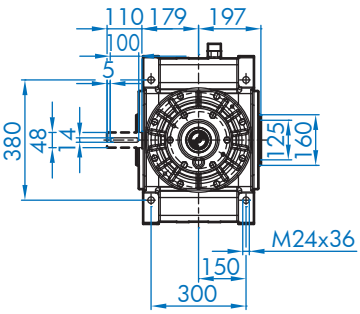




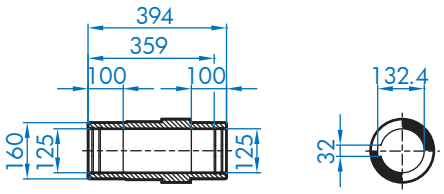


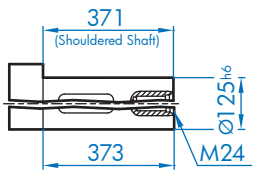






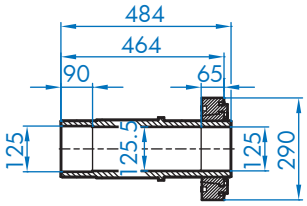
SK 7407/7507 A

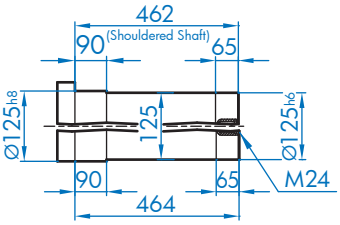




customer shaft recommendation

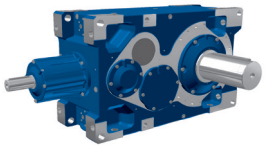
SK 7407/7507 AS





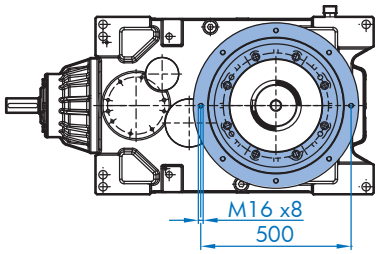
customer shaft recommendation

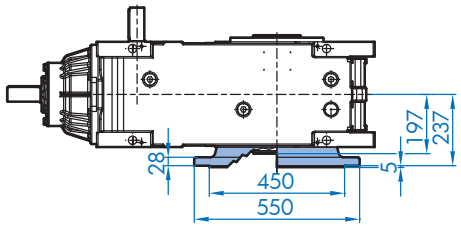
Bevel Input	Ratio	LK	gk	Ødk	lk	lpk	bpk	gpk	key
SK 7407	18 - 50	1167	1057	48	110	100	14	5	14 x 9 x 100
	56 - 100	1137	1057	38	80	70	10	5	10 x 8 x 70
SK 7507	112 - 400	1065	1005	28	60	50	8	5	8 x 7 x 50



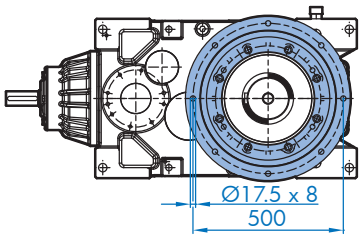
Right-Angle Drives
SK 7407 AF / SK 7507 AF

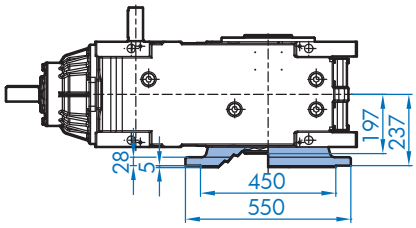
SK 7407/7507 AF



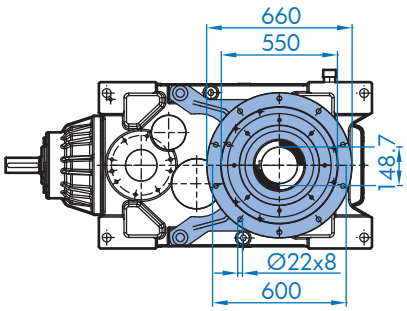


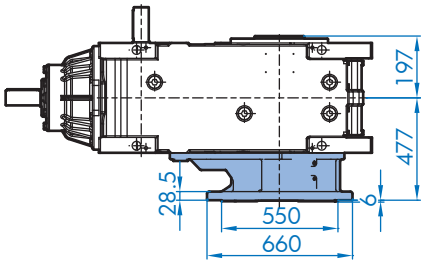
SK 7407/7507 AFK



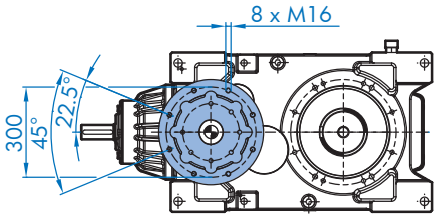


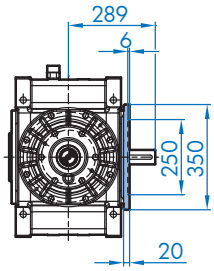
SK 7407/7507 VL2/VL3/VL4



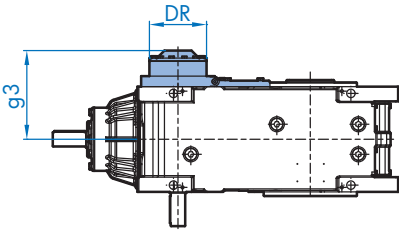


SK 7407/7507 F1 - Input Flange



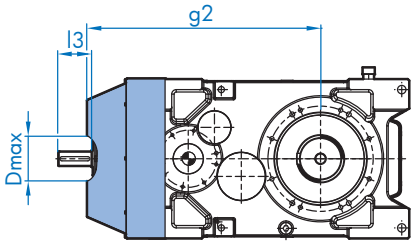


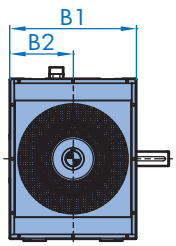
SK 7407/7507 R - Backstop



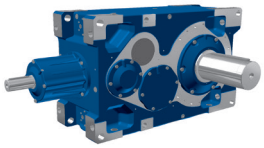
R	i_N	DR	g3
SK7407	18 - 100	190	295
SK7507	112 - 400	175	288

SK 7407/7507 FAN

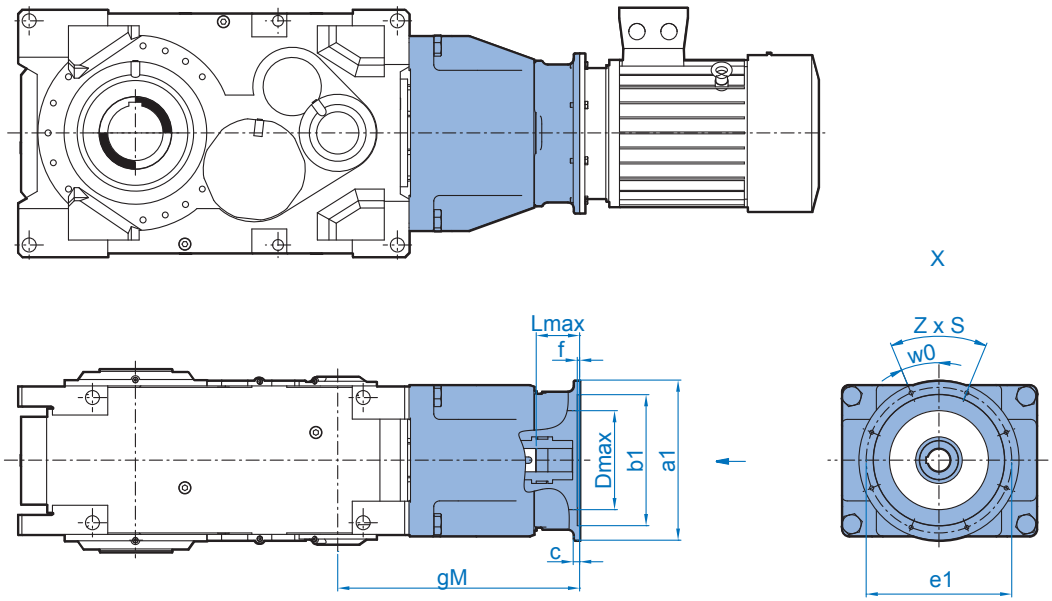




FAN	i_N	B1	B2	g2	l3	Dmax
SK7407	18 - 50	438	219	848.5	74	Ø140
	56 - 100	438	219	848.5	44	Ø140
SK7507	112 - 400	438	219	796.5	24	Ø140



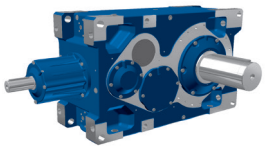
SK 7407 - SK 7507



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 7407	IEC	100	527	250	180	215	11	4.0	4 x 14.5	0	160	95 / 125
		112	527	250	180	215	11	4.0	4 x 14.5	0	160	95 / 125
		132	547	300	230	265	12	4.0	4 x 14.5	0	210	115 / 145
		160	577	350	250	300	15	6.5	4 x 17.5	45.0	220	145 / 175
		180	577	350	250	300	15	6.5	4 x 17.5	45.0	220	145 / 175
		200	577	400	300	350	17	6.5	4 x 17.5	45.0	250	145 / 175
		225	607	450	350	400	18	6.5	8 x 17.5	22.5	250	175 / 205
		250	607	550	450	500	22	8.0	8 x M16	22.5	250	175 / 205
		280	607	550	450	500	22	8.0	8 x M16	22.5	250	175 / 205
		315	637	660	550	600	22	8.0	8 x 22	22.5	250	205 / 235
	TN [2]	315	637	800	680	740	25	8.0	8 x 22	22.5	250	205 / 235
		355	637	900	780	840	25	8.0	8 x 22	22.5	250	205 / 235
SK 7507	IEC	100	425	250	180	215	11	4.0	4 x 14.5	0	160	95
		112	425	250	180	215	11	4.0	4 x 14.5	0	160	95
		132	445	300	230	265	12	4.0	4 x 14.5	0	210	115
		160	475	350	250	300	15	6.5	4 x 17.5	45.0	220	145
		180	475	350	250	300	15	6.5	4 x 17.5	45.0	220	145
		200	475	400	300	350	17	6.5	4 x 17.5	45.0	250	145
		225	505	450	350	400	18	6.5	8 x 17.5	22.5	250	175
		250	505	550	450	500	22	8.0	8 x M16	22.5	250	175
		280	505	550	450	500	22	8.0	8 x M16	22.5	250	175
		315	535	660	550	600	22	8.0	8 x 22	22.5	250	205
	TN [2]	315	535	800	680	740	25	8.0	8 x 22	22.5	250	205
		355	535	900	780	840	25	8.0	8 x 22	22.5	250	205

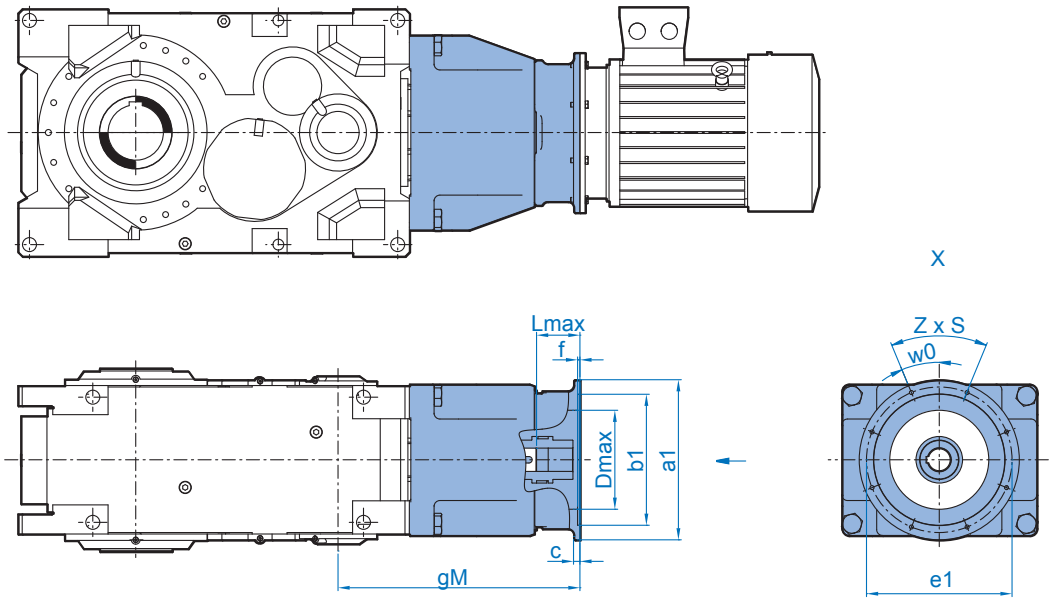
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request

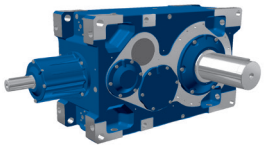


Right-Angle Drives
SK 7407/7507 (NEMA)

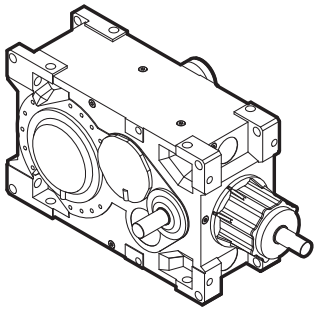
SK 7407 - SK 7507

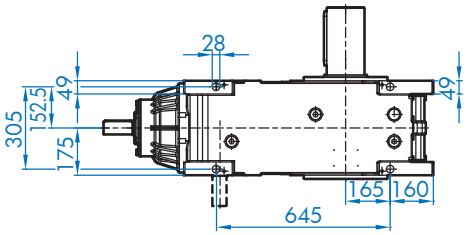


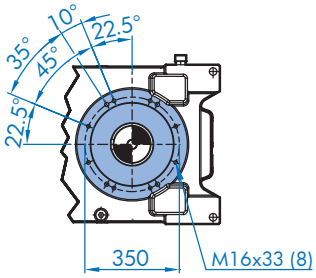
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 7407	NEMA	254/256 TC	600	350	215.9	184.15	38	4	4 x 1/2-13	45	220	168 / 198
		284/286 TC	600	350	266.7	228.6	38	4	4 x 1/2-13	45	220	168 / 198
		324/326 TC	611	400	317.5	279.4	51	4	4 x 5/8-11	45	265	179 / 209
		364/365 TC	641	450	317.5	279.4	52	4	4 x 5/8-11	45	280	209 / 239
		404/405 TC	655	550	317.5	279.4	70	6	4 x 5/8-11	45	330	223 / 253
		444/445 TC	687	550	406.4	355.6	102	6	4 x 5/8-11	45	330	255 / 285
		447/449 TC	682	660	406.4	355.6	67	6	4 x 5/8-11	45	330	250 / 280
SK 7507	NEMA	254/256 TC	498	350	215.9	184.15	38	4	4 x 1/2-13	45	220	168
		284/286 TC	498	350	266.7	228.6	38	4	4 x 1/2-13	45	220	168
		324/326 TC	509	400	317.5	279.4	51	4	4 x 5/8-11	45	265	179
		364/365 TC	539	450	317.5	279.4	52	4	4 x 5/8-11	45	280	209
		404/405 TC	553	550	317.5	279.4	70	6	4 x 5/8-11	45	330	223
		444/445 TC	585	550	406.4	355.6	102	6	4 x 5/8-11	45	330	255
		447/449 TC	580	660	406.4	355.6	67	6	4 x 5/8-11	45	330	250

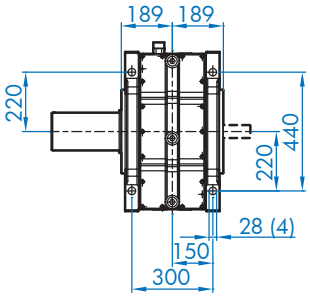


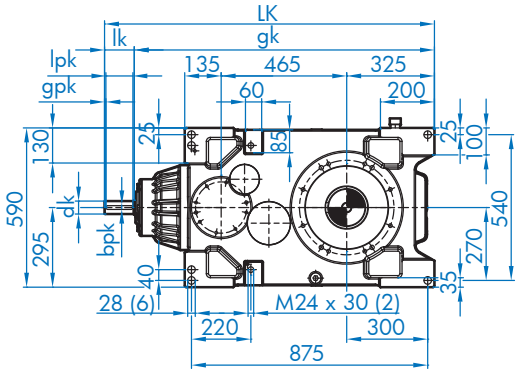
SK 8407/8507 V

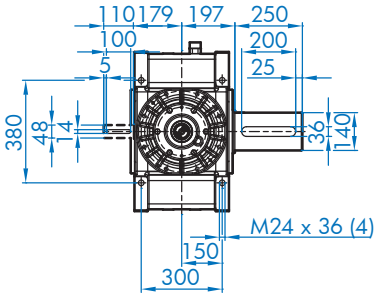




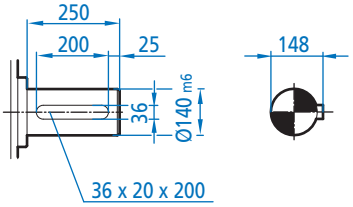




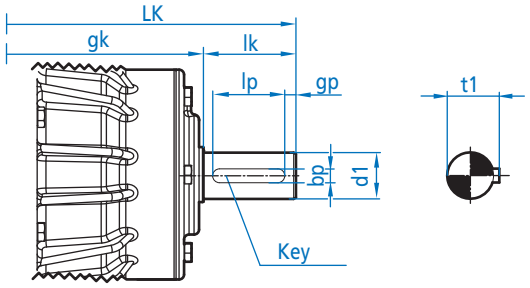




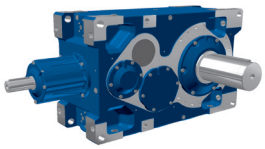
SK 8407/8507 V - Output Shaft Detail



SK 8407/8507 V - Input Shaft Detail

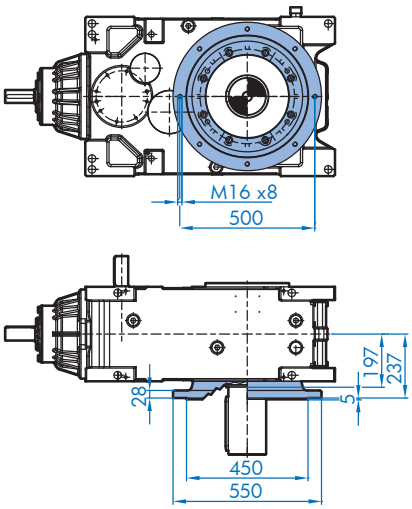


Bevel Input	Ratio	LK	gk	Ødk	t1	lk	lpk	bpk	gpk	key
SK 8407	20 - 56	1222	1112	48	51.5	110	100	14	5	14 x 9 x 100
	632 - 112	1192	1112	38	41	80	70	10	5	10 x 8 x 70
SK 8507	125 - 450	1120	1060	28	31	60	50	8	5	8 x 7 x 50

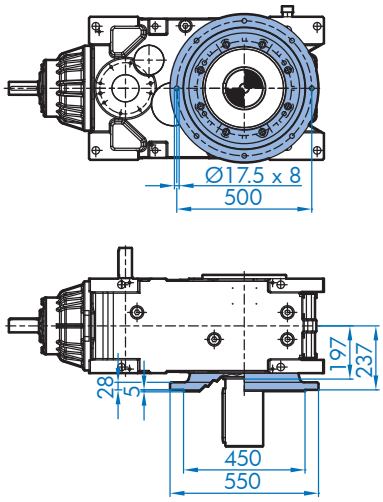


Right-Angle Drives
SK 8407 VF/ SK 8507 VF

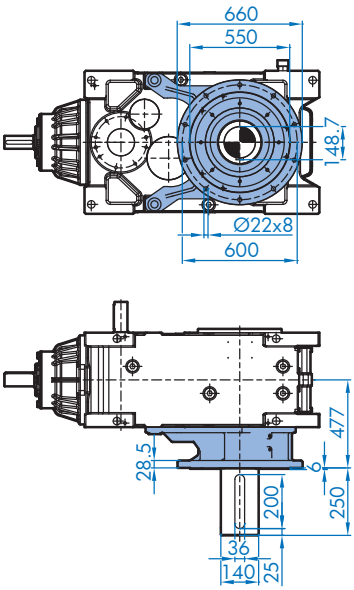
SK 8407/8507 VF



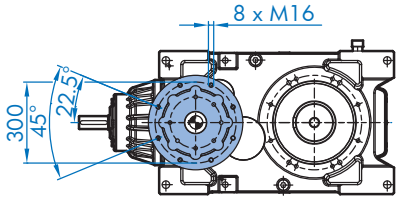
SK 8407/8507 VFK

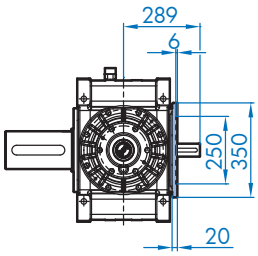


SK 8407/8507 VL2/VL3/VL4

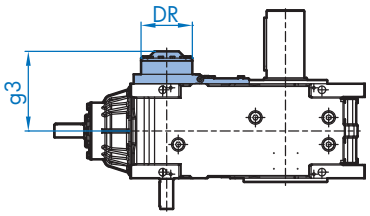


SK 8407/8507 F1 - Input Flange



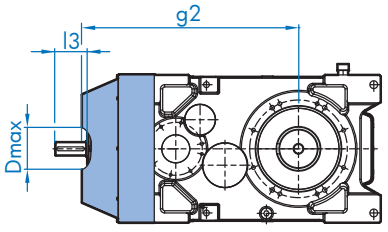


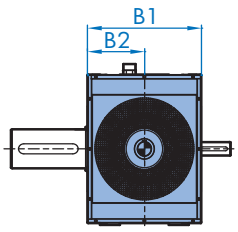
SK 8407/8507 R - Backstop



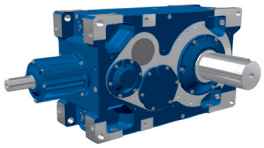
R	i_N	DR	g3
SK8407	20 - 112	190	295
SK8507	125 - 450	175	288

SK 8407/8507 FAN

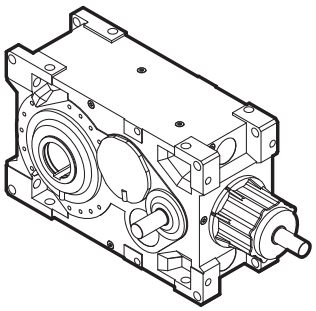


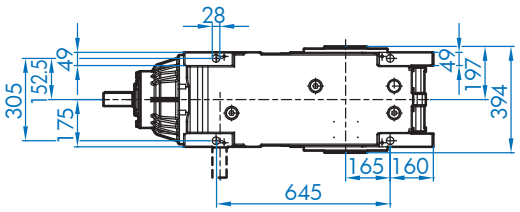


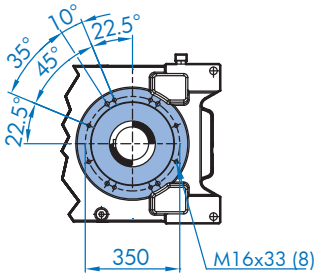
FAN	i_N	B1	B2	g2	l3	Dmax
SK8407	18 - 56	438	219	873.5	74	Ø140
	63 - 112	438	219	873.5	44	Ø140
SK8507	125 - 450	438	219	821.5	44	Ø140

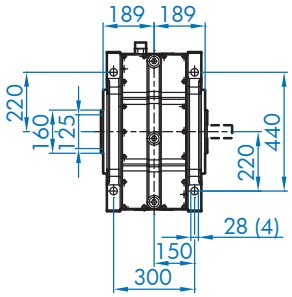


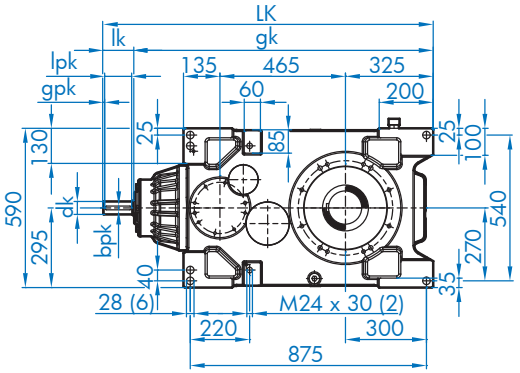
SK 8407/8507 A

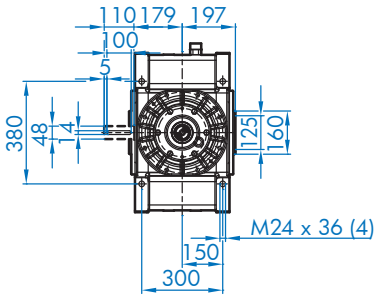




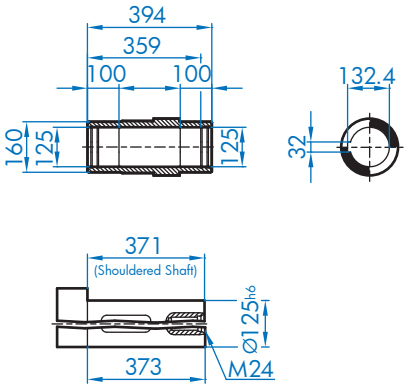






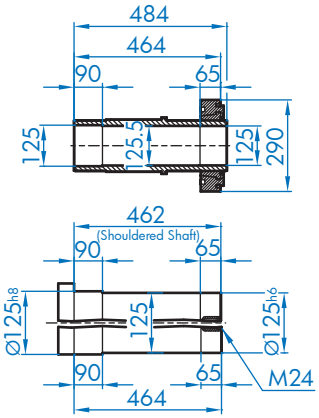


SK 8407/8507 A



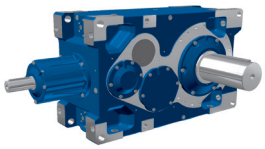
customer shaft recommendation

SK 8407/8507 AS



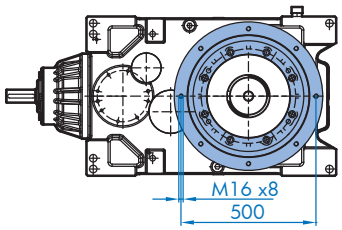
customer shaft recommendation

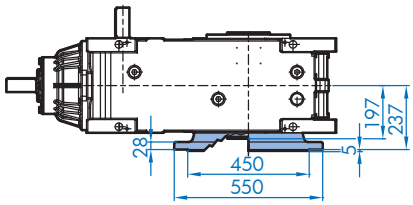
Bevel Input	Ratio	LK	gk	Ødk	lk	lpk	bpk	gpk	key
SK 8407	20 - 56	1222	1112	48	110	100	14	5	14 x 9 x 100
	63 - 112	1192	1112	38	80	70	10	5	10 x 8 x 70
SK 8507	125 - 450	1120	1060	28	60	50	8	5	8 x 7 x 50



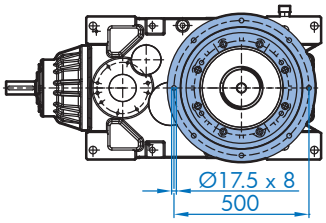
Right-Angle Drives
SK 8407 AF / SK 8507 AF

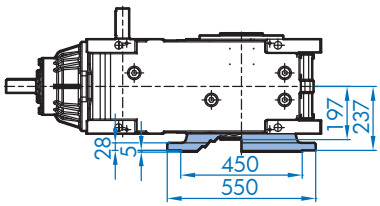
SK 8407/8507 AF



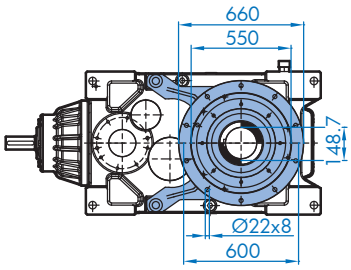


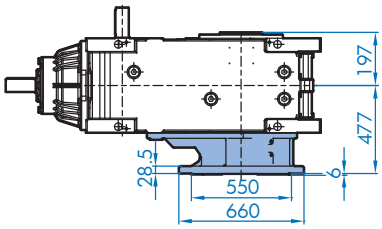
SK 8407/8507 AFK



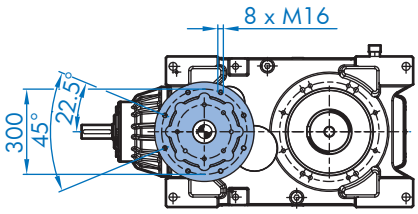


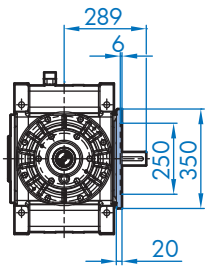
SK 8407/8507 VL2/VL3/VL4



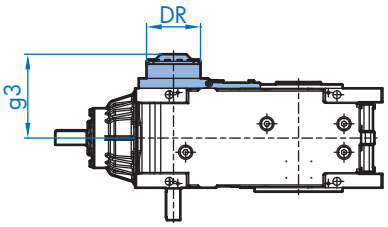


SK 8407/8507 F1 - Input Flange



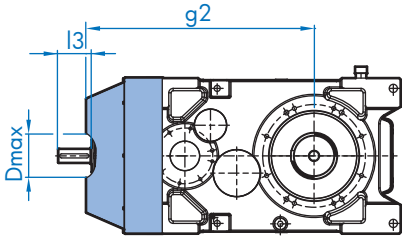


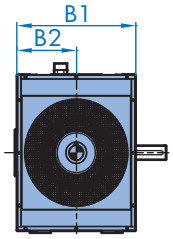
SK 8407/8507 R - Backstop



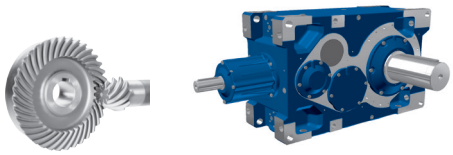
R	i_N	DR	g3
SK8407	20 - 112	190	295
SK8507	125 - 450	175	288

SK 8407/8507 FAN

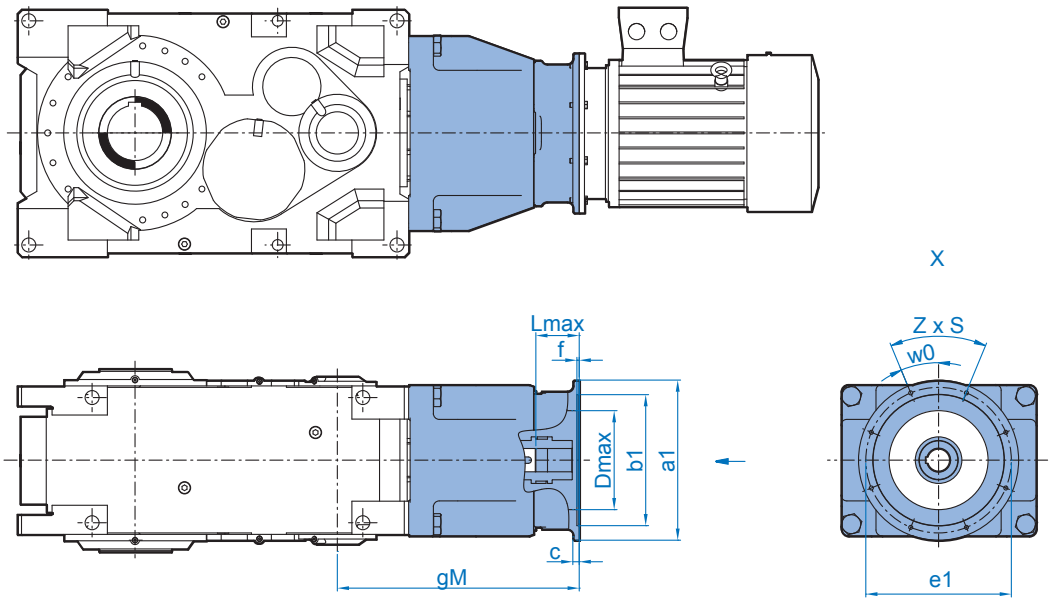




FAN	i_N	B1	B2	g2	l3	Dmax
SK8407	18 - 56	438	219	873.5	74	Ø140
	63 - 112	438	219	873.5	44	Ø140
SK8507	125 - 450	438	219	821.5	44	Ø140



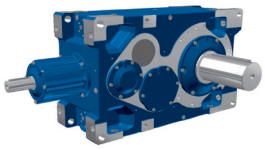
SK 8407 - SK 8507



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 8407	IEC	100	527	250	180	215	11	4.0	4 x 14.5	0	160	95 / 125
		112	527	250	180	215	11	4.0	4 x 14.5	0	160	95 / 125
		132	547	300	230	265	12	4.0	4 x 14.5	0	210	115 / 145
		160	577	350	250	300	15	6.5	4 x 17.5	45.0	220	145 / 175
		180	577	350	250	300	15	6.5	4 x 17.5	45.0	220	145 / 175
		200	577	400	300	350	17	6.5	4 x 17.5	45.0	250	145 / 175
		225	607	450	350	400	18	6.5	8 x 17.5	22.5	250	175 / 205
		250	607	550	450	500	22	8.0	8 x M16	22.5	250	175 / 205
		280	607	550	450	500	22	8.0	8 x M16	22.5	250	175 / 205
		315	637	660	550	600	22	8.0	8 x 22	22.5	250	205 / 235
	TN [2]	315	637	800	680	740	25	8.0	8 x 22	22.5	250	205 / 235
		355	637	900	780	840	25	8.0	8 x 22	22.5	250	205 / 235
SK 8507	IEC	100	425	250	180	215	11	4.0	4 x 14.5	0	160	75
		112	425	250	180	215	11	4.0	4 x 14.5	0	160	75
		132	445	300	230	265	12	4.0	4 x 14.5	0	210	95
		160	475	350	250	300	15	6.5	4 x 17.5	45.0	220	125
		180	475	350	250	300	15	6.5	4 x 17.5	45.0	220	125
		200	475	400	300	350	17	6.5	4 x 17.5	45.0	250	125
		225	505	450	350	400	18	6.5	8 x 17.5	22.5	250	155
		250	505	550	450	500	22	8.0	8 x M16	22.5	250	155
		280	505	550	450	500	22	8.0	8 x M16	22.5	250	155
		315	535	660	550	600	22	8.0	8 x 22	22.5	250	185
	TN [2]	315	535	800	680	740	25	8.0	8 x 22	22.5	250	185
		355	535	900	780	840	25	8.0	8 x 22	22.5	250	185

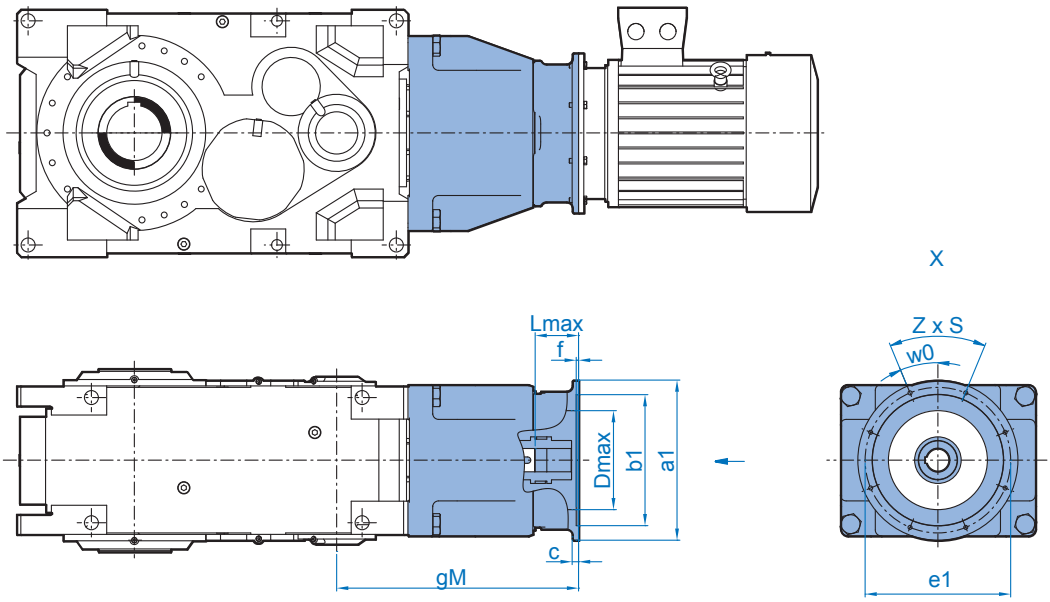
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request

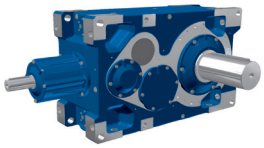


Right-Angle Drives
SK 8407/8507 (NEMA)

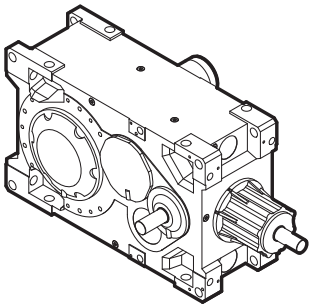
SK 8407 - SK 8507

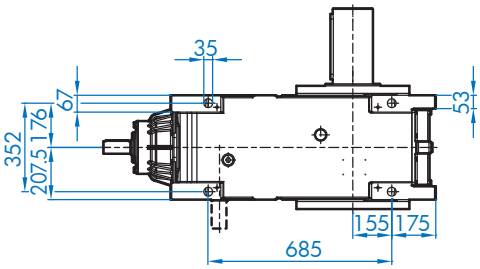


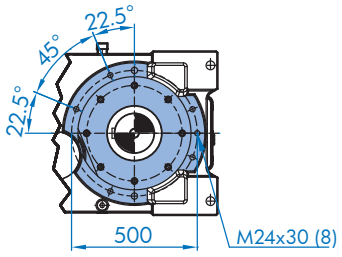
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 8407	NEMA	254/256 TC	600	350	215.9	184.15	38	4	4 x 1/2-13	45	220	168 / 198
		284/286 TC	600	350	266.7	228.6	38	4	4 x 1/2-13	45	220	168 / 198
		324/326 TC	611	400	317.5	279.4	51	4	4 x 5/8-11	45	265	179 / 209
		364/365 TC	641	450	317.5	279.4	52	4	4 x 5/8-11	45	280	209 / 239
		404/405 TC	655	550	317.5	279.4	70	6	4 x 5/8-11	45	330	223 / 253
		444/445 TC	687	550	406.4	355.6	102	6	4 x 5/8-11	45	330	255 / 285
		447/449 TC	682	660	406.4	355.6	67	6	4 x 5/8-11	45	330	250 / 280
SK 8507	NEMA	254/256 TC	498	350	215.9	184.15	38	4	4 x 1/2-13	45	220	148
		284/286 TC	498	350	266.7	228.6	38	4	4 x 1/2-13	45	220	148
		324/326 TC	509	400	317.5	279.4	51	4	4 x 5/8-11	45	265	159
		364/365 TC	539	450	317.5	279.4	52	4	4 x 5/8-11	45	280	189
		404/405 TC	553	550	317.5	279.4	70	6	4 x 5/8-11	45	330	203
		444/445 TC	585	550	406.4	355.6	102	6	4 x 5/8-11	45	330	235
		447/449 TC	580	660	406.4	355.6	67	6	4 x 5/8-11	45	330	230

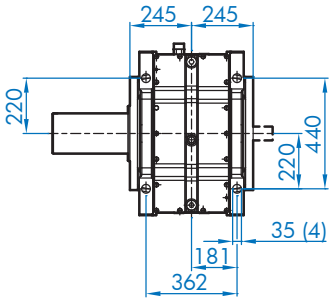


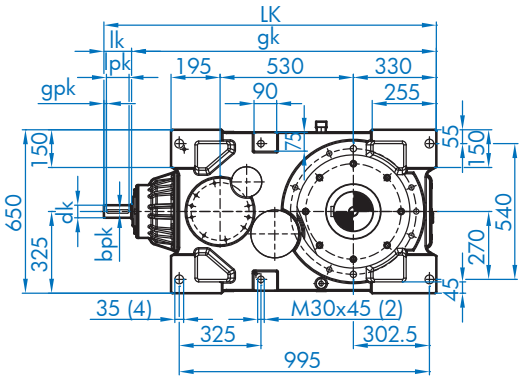
SK 9407/9507 V

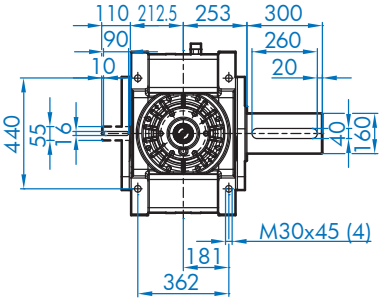




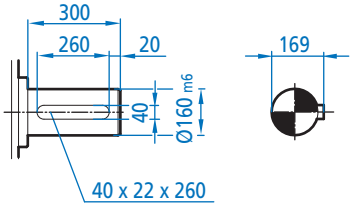




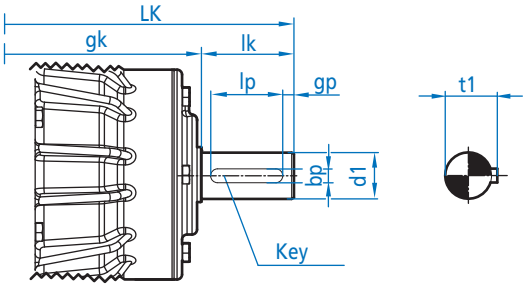




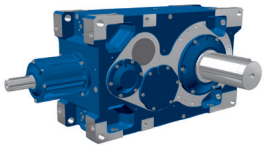
SK 9407/9507 V - Output Shaft Detail



SK 9407/9507 V - Input Shaft Detail

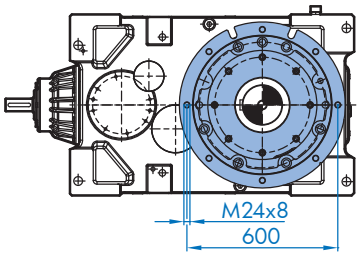


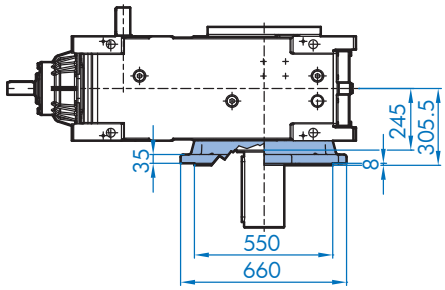
Bevel Input	Ratio	LK	gk	Ødk	t1	lk	lpk	bpk	gpk	key
SK 9407	18 - 50	1322	1212	50	54.5	110	90	14	10	16 x 10 x 90
	56 - 100	1312	1212	40	43	100	80	12	10	12 x 8 x 80
SK 9507	112 - 400	1262	1182	38	41	80	70	10	5	10 x 8 x 70



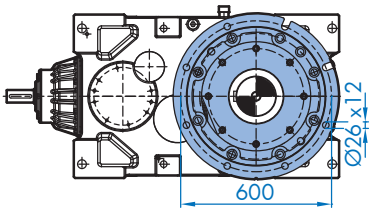
Right-Angle Drives
SK 9407 VF / SK 9507 VF

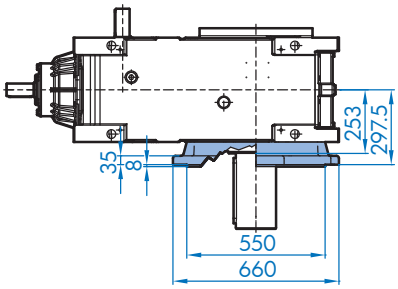
SK 9407/9507 VF



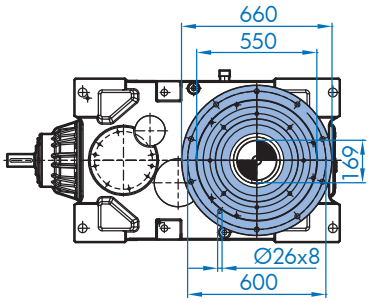


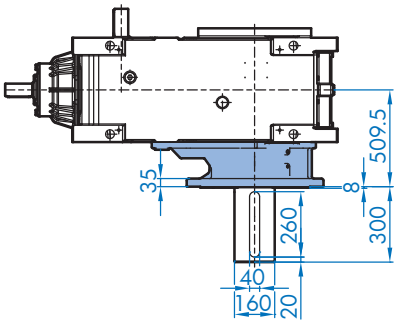
SK 9407/9507 VFK



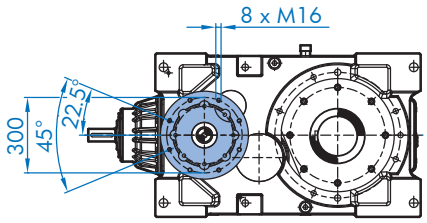


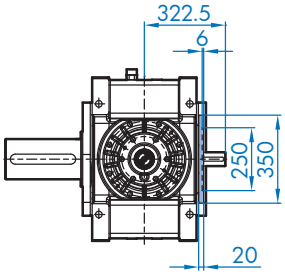
SK 9407/9507 VL2/VL3/VL4



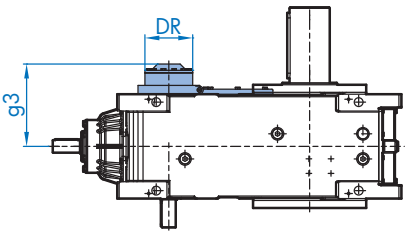


SK 9407/9507 F1 - Input Flange



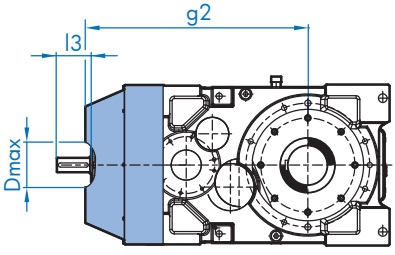


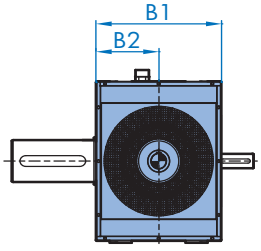
SK 9407/9507 R - Backstop



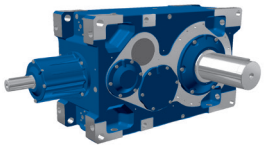
R	i_N	DR	g3
SK9407	18 - 100	210	329.5
SK9507	112 - 400	190	326.5

SK 9407/9507 FAN

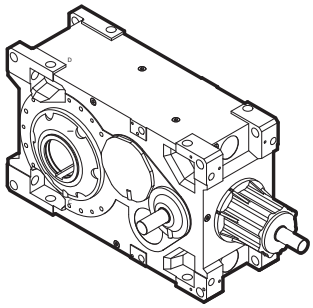


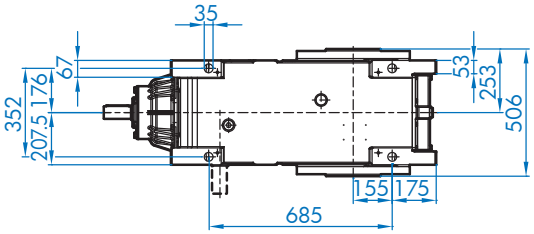


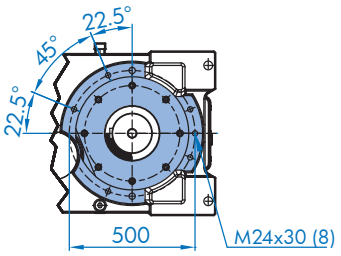
FAN	i_N	B1	B2	g2	l3	Dmax
SK9407	18 - 50	503	251.5	968.5	74	Ø140
	56 - 100	503	251.5	968.5	64	Ø140
SK9507	112 - 400	503	251.5	938.5	44	Ø140

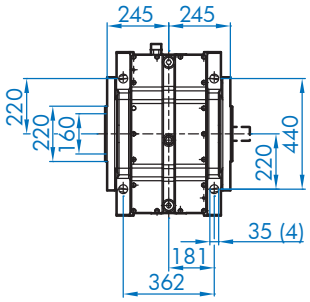


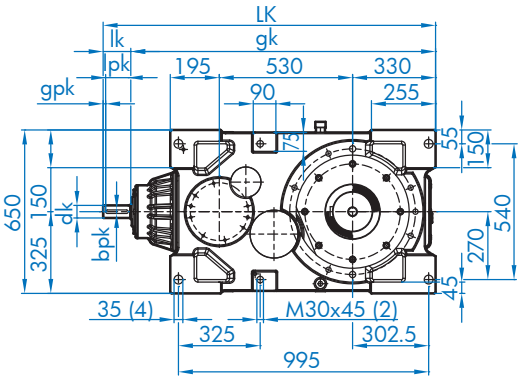
SK 9407/9507 A

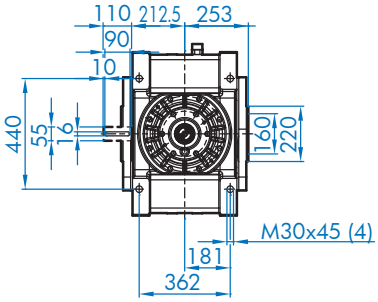




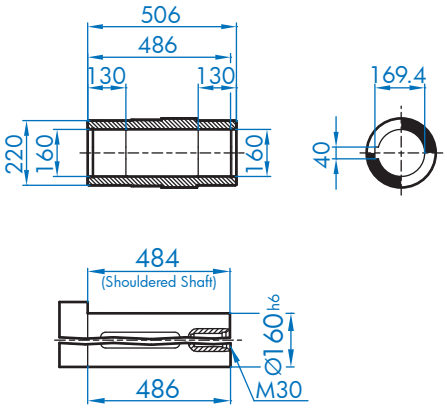






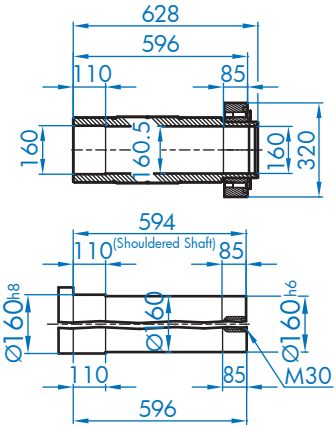


SK 9407/9507 A



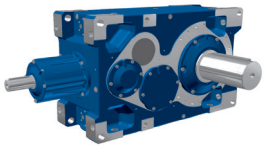
customer shaft recommendation

SK 9407/9507 AS



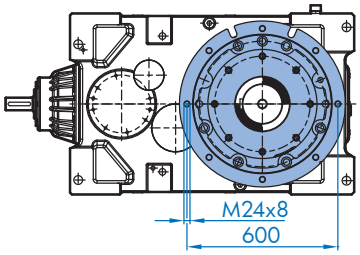
customer shaft recommendation

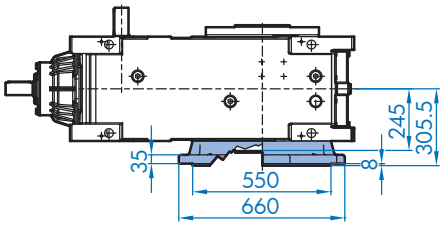
Bevel Input	Ratio	LK	gk	Ødk	lk	lpk	bpk	gpk	key
SK 9407	18 - 50	1322	1212	50	110	90	14	10	16 x 10 x 90
	56 - 100	1312	1212	40	100	80	12	10	12 x 8 x 80
SK 9507	112 - 400	1262	1182	38	80	70	10	5	10 x 8 x 70



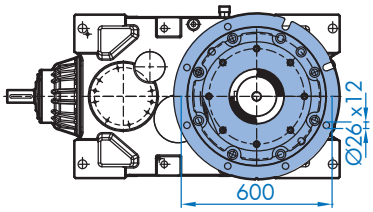
Right-Angle Drives
SK 9407 AF / SK 9507 AF

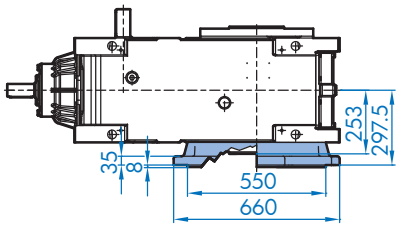
SK 9407/9507 AF



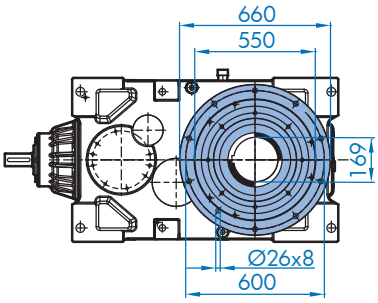


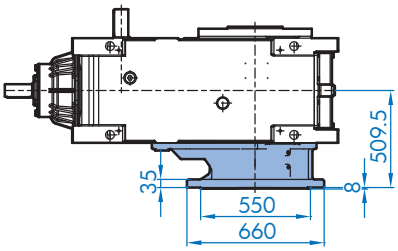
SK 9407/9507 AFK



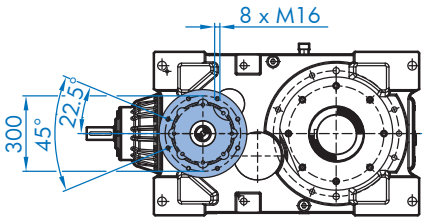


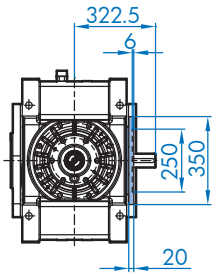
SK 9407/9507 VL2/VL3/VL4



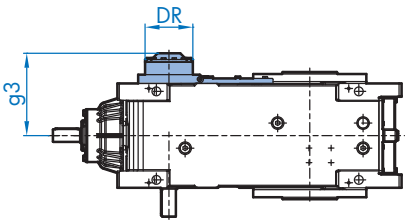


SK 9407/9507 F1 - Input Flange



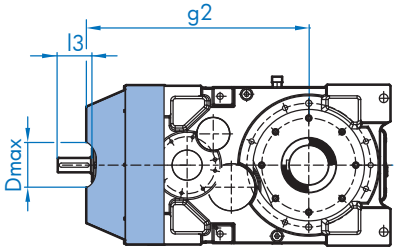


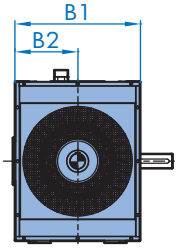
SK 9407/9507 R - Backstop



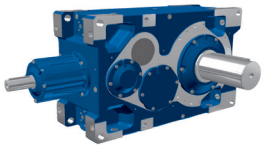
R	i_N	DR	g3
SK9407	18 - 100	210	329.5
SK9507	112 - 400	190	326.5

SK 9407/9507 FAN

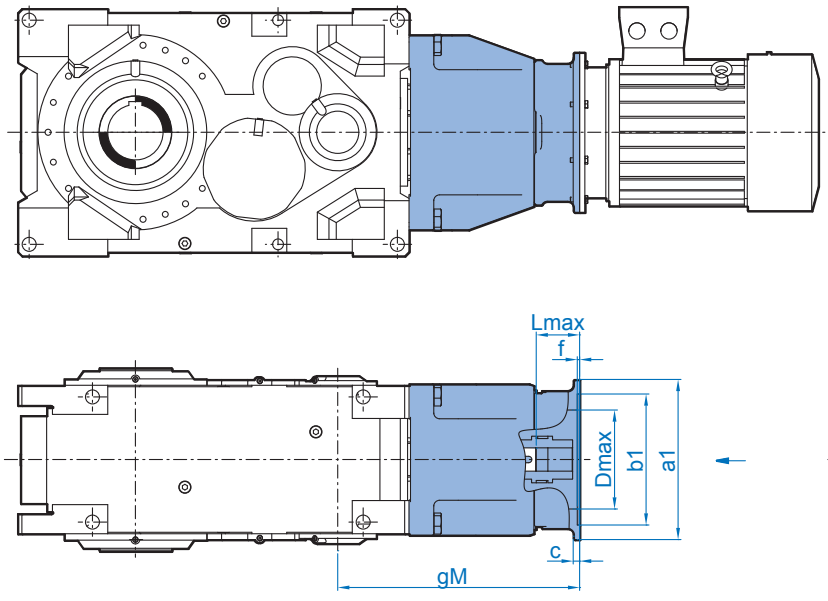




FAN	i_N	B1	B2	g2	l3	Dmax
SK9407	18 - 50	503	251.5	968.5	74	Ø140
	56 - 100	503	251.5	968.5	64	Ø140
SK9507	112 - 400	503	251.5	938.5	44	Ø140



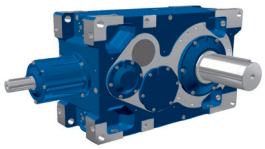
SK 9407 - SK 9507



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 9407	IEC	100	587	250	180	215	11	4.0	4 x 14.5	0	160	125 / 135
		112	587	250	180	215	11	4.0	4 x 14.5	0	160	125 / 135
		132	607	300	230	265	12	4.0	4 x 14.5	0	210	145 / 155
		160	637	350	250	300	15	6.5	4 x 17.5	45.0	220	175 / 185
		180	637	350	250	300	15	6.5	4 x 17.5	45.0	220	175 / 185
		200	637	400	300	350	17	6.5	4 x 17.5	45.0	250	175 / 185
		225	667	450	350	400	18	6.5	8 x 17.5	22.5	250	205 / 215
		250	667	550	450	500	22	8.0	8 x M16	22.5	250	205 / 215
		280	667	550	450	500	22	8.0	8 x M16	22.5	250	205 / 215
		315	697	660	550	600	22	8.0	8 x 22	22.5	250	235 / 245
	TN [2]	315	697	800	680	740	25	8.0	8 x 22	22.5	250	235 / 245
		355	697	900	780	840	25	8.0	8 x 22	22.5	250	235 / 245
SK 9507	IEC	100	485	250	180	215	11	4.0	4 x 14.5	0	160	83
		112	485	250	180	215	11	4.0	4 x 14.5	0	160	83
		132	505	300	230	265	12	4.0	4 x 14.5	0	210	103
		160	535	350	250	300	15	6.5	4 x 17.5	45.0	220	133
		180	535	350	250	300	15	6.5	4 x 17.5	45.0	220	133
		200	535	400	300	350	17	6.5	4 x 17.5	45.0	250	133
		225	565	450	350	400	18	6.5	8 x 17.5	22.5	250	163
		250	565	550	450	500	22	8.0	8 x M16	22.5	250	163
		280	565	550	450	500	22	8.0	8 x M16	22.5	250	163
		315	595	660	550	600	22	8.0	8 x 22	22.5	250	193
	TN [2]	315	595	800	680	740	25	8.0	8 x 22	22.5	250	193
		355	595	900	780	840	25	8.0	8 x 22	22.5	250	193

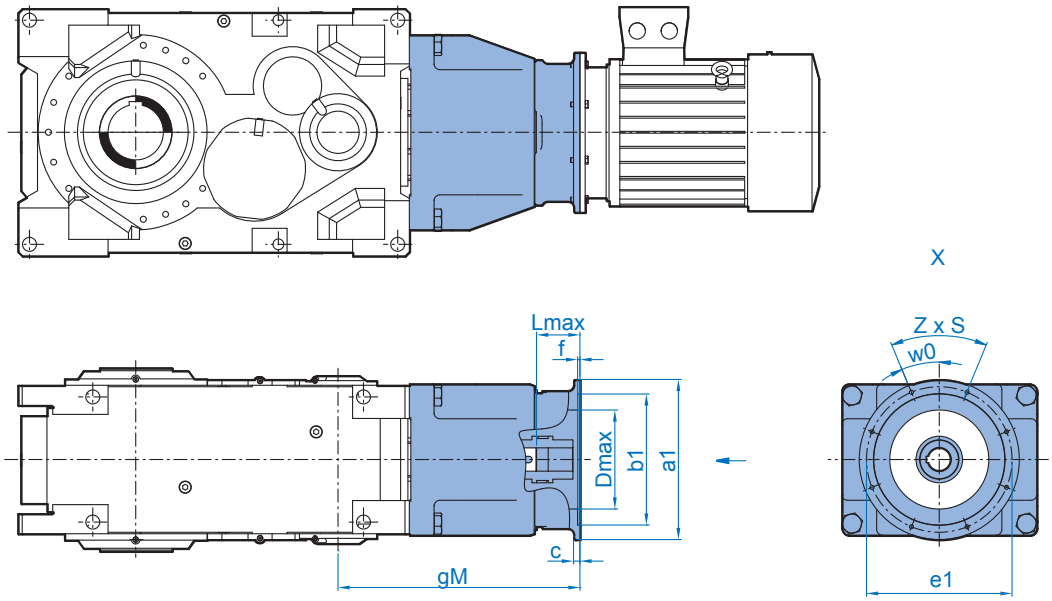
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request

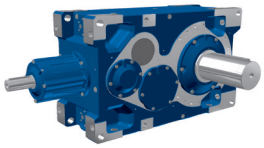


Right-Angle Drives
SK 9407/9507 (NEMA)

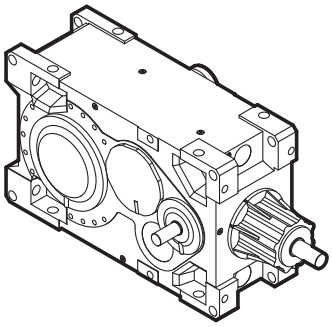
SK 9407 - SK 9507

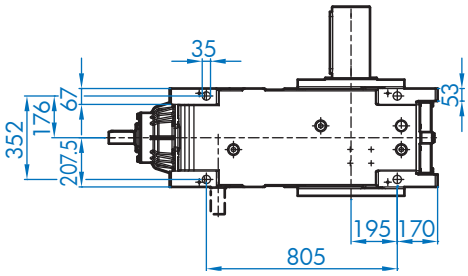


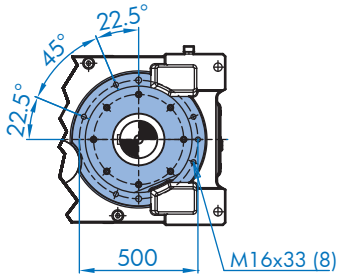
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 9407	NEMA	254/256 TC	660	350	215.9	184.15	38	4	4 x 1/2-13	45	220	198 / 208
		284/286 TC	660	350	266.7	228.6	38	4	4 x 1/2-13	45	220	198 / 208
		324/326 TC	671	400	317.5	279.4	51	4	4 x 5/8-11	45	265	209 / 219
		364/365 TC	701	450	317.5	279.4	52	4	4 x 5/8-11	45	280	209 / 219
		404/405 TC	715	550	317.5	279.4	70	6	4 x 5/8-11	45	330	253 / 263
		444/445 TC	747	550	406.4	355.6	102	6	4 x 5/8-11	45	330	285 / 295
		447/449 TC	742	660	406.4	355.6	67	6	4 x 5/8-11	45	330	280 / 290
SK 9507	NEMA	254/256 TC	558	350	215.9	184.15	38	4	4 x 1/2-13	45	220	156
		284/286 TC	558	350	266.7	228.6	38	4	4 x 1/2-13	45	220	156
		324/326 TC	569	400	317.5	279.4	51	4	4 x 5/8-11	45	265	167
		364/365 TC	599	450	317.5	279.4	52	4	4 x 5/8-11	45	280	197
		404/405 TC	613	550	317.5	279.4	70	6	4 x 5/8-11	45	330	211
		444/445 TC	645	550	406.4	355.6	102	6	4 x 5/8-11	45	330	243
		447/449 TC	640	660	406.4	355.6	67	6	4 x 5/8-11	45	330	238

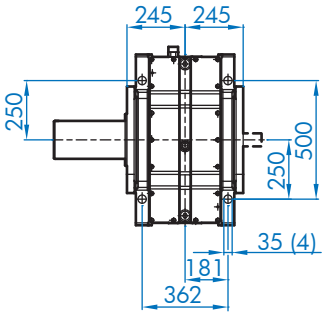


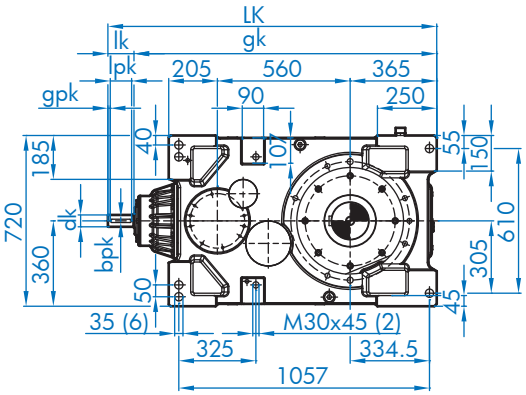
SK 10407/10507 V

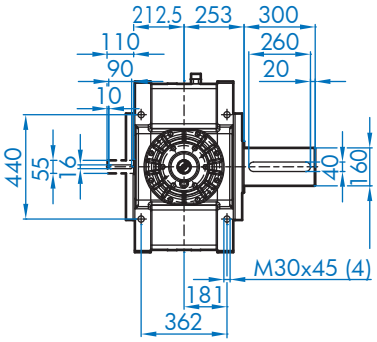




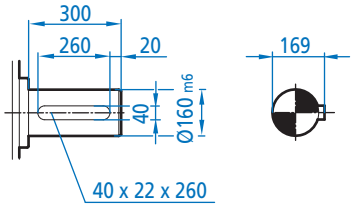




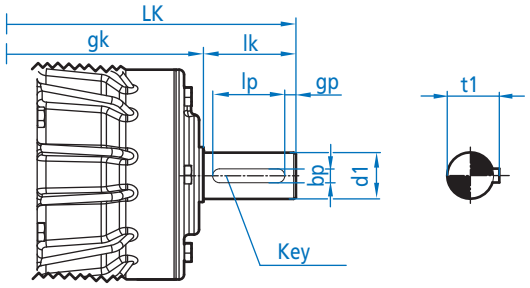




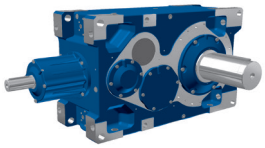
SK 10407/10507 V - Output Shaft Detail



SK 10407/10507 V - Input Shaft Detail

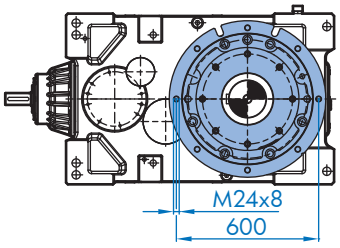


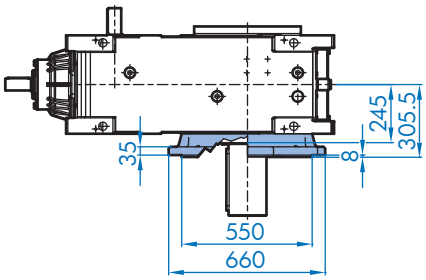
Bevel Input	Ratio	LK	gk	Ødk	t1	lk	lpk	bpk	gpk	key
SK 10407	20 - 56	1387	1277	50	54.5	110	90	16	10	14 x 9 x 90
	63 - 112	1377	1277	40	43	100	80	12	10	12 x 8 x 80
SK 10507	125 - 450	1337	1257	38	41	80	70	10	5	10 x 8 x 70



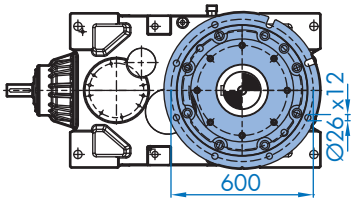
Right-Angle Drives
SK 10407 VF / SK 10507 VF

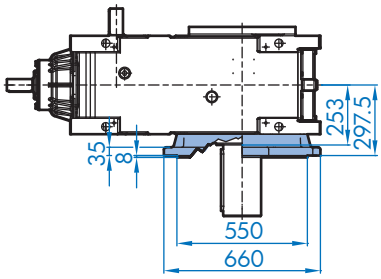
SK 10407/10507 VF



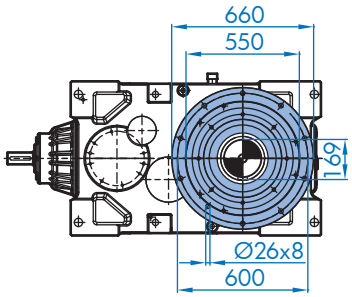


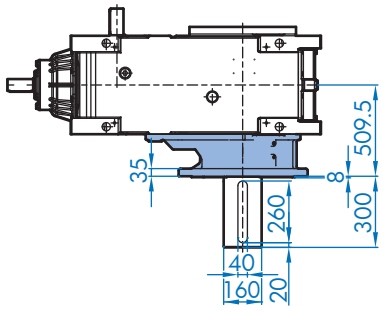
SK 10407/10507 VFK



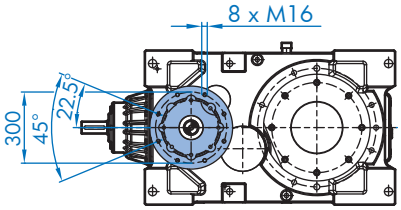


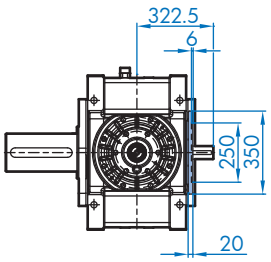
SK 10407/10507 VL2/VL3/VL4



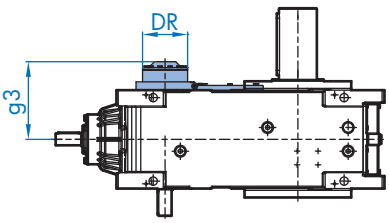


SK 10407/10507 F1 - Input Flange



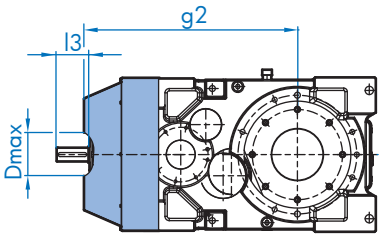


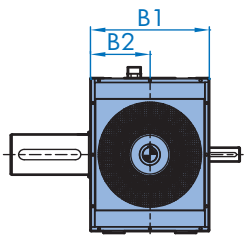
SK 10407/10507 R - Backstop



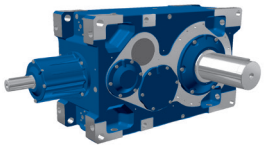
R	i_N	DR	g3
SK10407	20 - 112	210	329.5
SK10507	125 - 450	190	326.5

SK 10407/10507 FAN

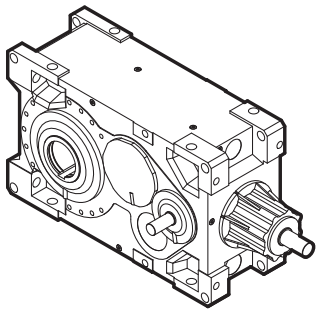


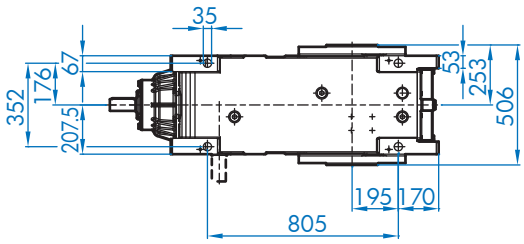


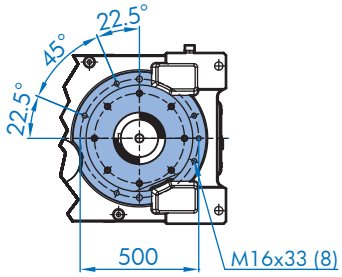
FAN	i_N	B1	B2	g2	l3	Dmax
SK10407	20 - 56	503	251.5	938.5	74	Ø140
	63 - 112	503	251.5	998.5	64	Ø140
SK10507	125 - 450	503	251.5	978.5	44	Ø140

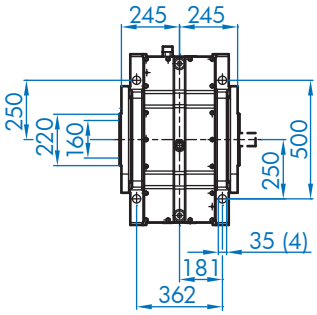


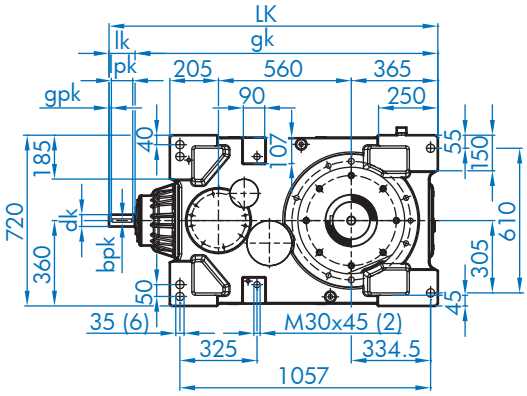
SK 10407/10507 A

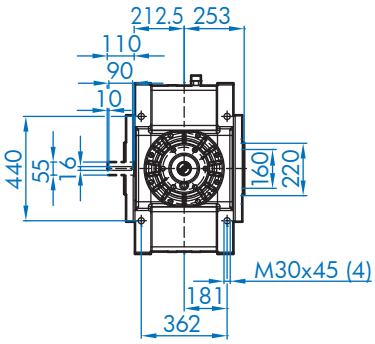




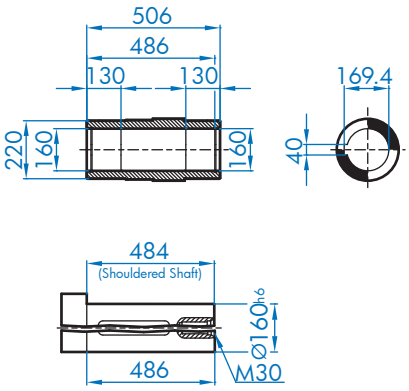






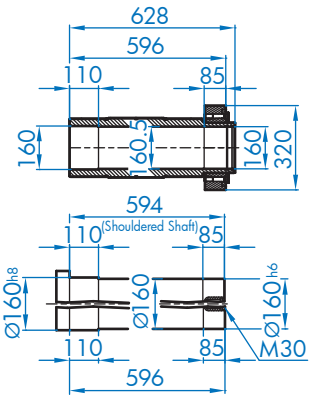


SK 10407/10507 A



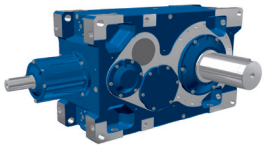
customer shaft recommendation

SK 10407/10507 AS



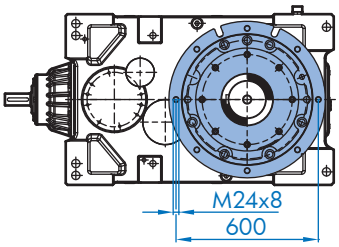
customer shaft recommendation

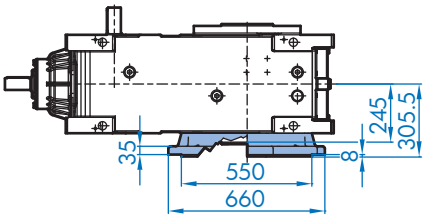
Bevel Input	Ratio	LK	gk	Ødk	lk	lpk	bpk	gpk	key
SK 10407	20 - 56	1387	1277	50	110	90	16	10	14 x 9 x 90
	63 - 112	1377	1277	40	100	80	12	10	12 x 8 x 80
SK 10507	125 - 450	1337	1257	38	80	70	10	5	10 x 8 x 70



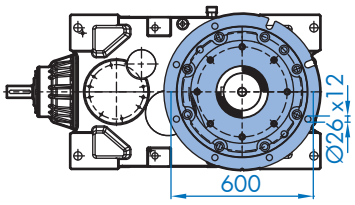
Right-Angle Drives
SK 10407 AF / SK 10507 AF

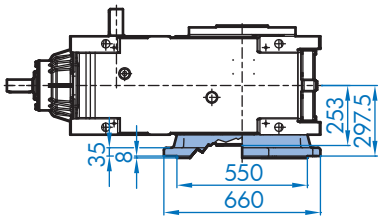
SK 10407/10507 AF



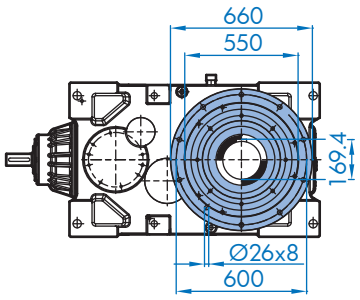


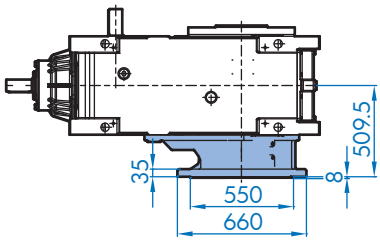
SK 10407/10507 AFK



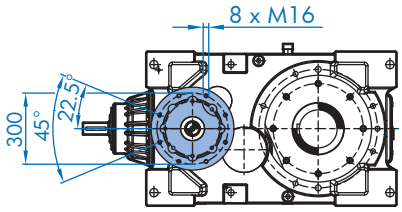


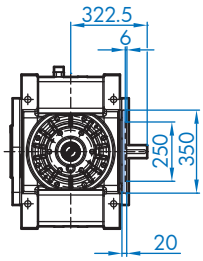
SK 10407/10507 VL2/VL3/VL4



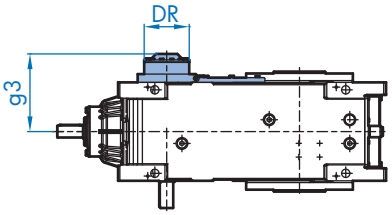


SK 10407/10507 F1 - Input Flange



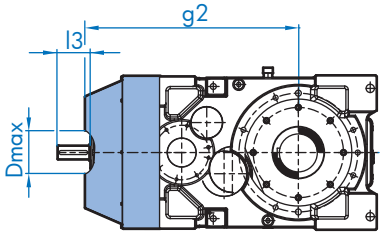


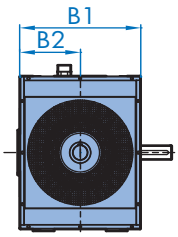
SK 10407/10507 R - Backstop



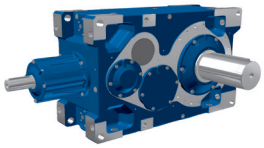
R	i_N	DR	g3
SK10407	20 - 112	210	329.5
SK10507	125 - 450	190	326.5

SK 10407/10507 FAN

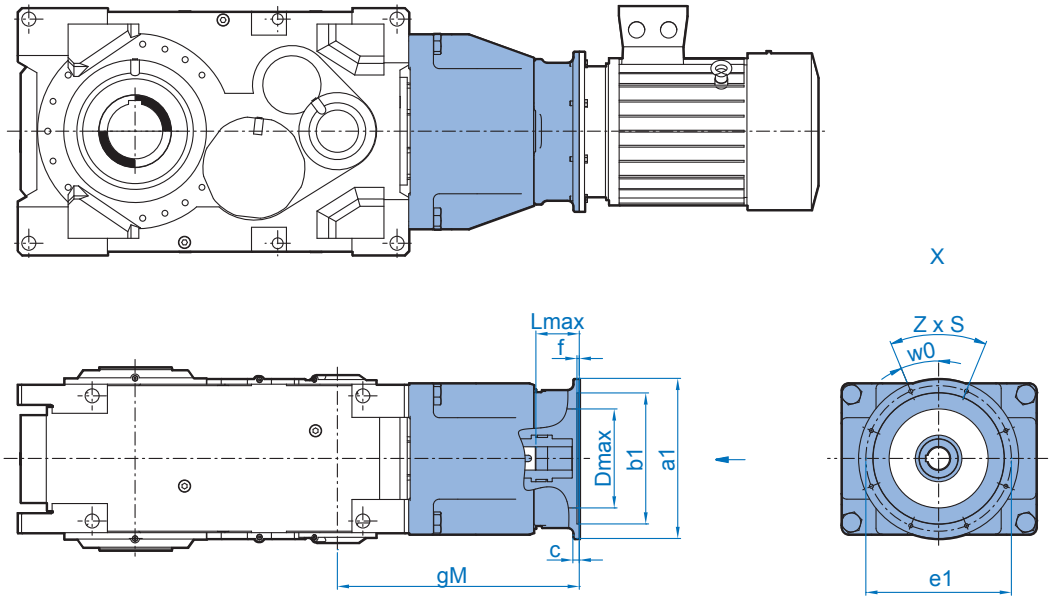




FAN	i_N	B1	B2	g2	l3	Dmax
SK10407	20 - 56	503	251.5	938.5	74	Ø140
	63 - 112	503	251.5	998.5	64	Ø140
SK10507	125 - 450	503	251.5	978.5	44	Ø140



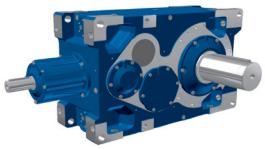
SK 10407 - SK 10507



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 10407	IEC	100	597	250	180	215	11	4.0	4 x 14.5	0	160	135 / 145
		112	597	250	180	215	11	4.0	4 x 14.5	0	160	135 / 145
		132	617	300	230	265	12	4.0	4 x 14.5	0	210	155 / 165
		160	647	350	250	300	15	6.5	4 x 17.5	45.0	220	185 / 195
		180	647	350	250	300	15	6.5	4 x 17.5	45.0	220	185 / 195
		200	647	400	300	350	17	6.5	4 x 17.5	45.0	250	185 / 195
		225	677	450	350	400	18	6.5	8 x 17.5	22.5	250	215 / 225
		250	677	550	450	500	22	8.0	8 x M16	22.5	250	215 / 225
		280	677	550	450	500	22	8.0	8 x M16	22.5	250	215 / 225
		315	707	660	550	600	22	8.0	8 x 22	22.5	250	245 / 255
	TN [2]	315	707	800	680	740	25	8.0	8 x 22	22.5	250	245 / 255
		355	707	900	780	840	25	8.0	8 x 22	22.5	250	245 / 255
SK 10507	IEC	100	495	250	180	215	11	4.0	4 x 14.5	0	160	83
		112	495	250	180	215	11	4.0	4 x 14.5	0	160	83
		132	515	300	230	265	12	4.0	4 x 14.5	0	210	103
		160	545	350	250	300	15	6.5	4 x 17.5	45.0	220	133
		180	545	350	250	300	15	6.5	4 x 17.5	45.0	220	133
		200	545	400	300	350	17	6.5	4 x 17.5	4.0	250	133
		225	575	450	350	400	18	6.5	8 x 17.5	22.5	250	163
		250	575	550	450	500	22	8.0	8 x M16	22.5	250	163
		280	575	550	450	500	22	8.0	8 x M16	22.5	250	163
		315	605	660	550	600	22	8.0	8 x 22	22.5	250	193
	TN [2]	315	605	800	680	740	25	8.0	8 x 22	22.5	250	193
		355	605	900	780	840	25	8.0	8 x 22	22.5	250	193

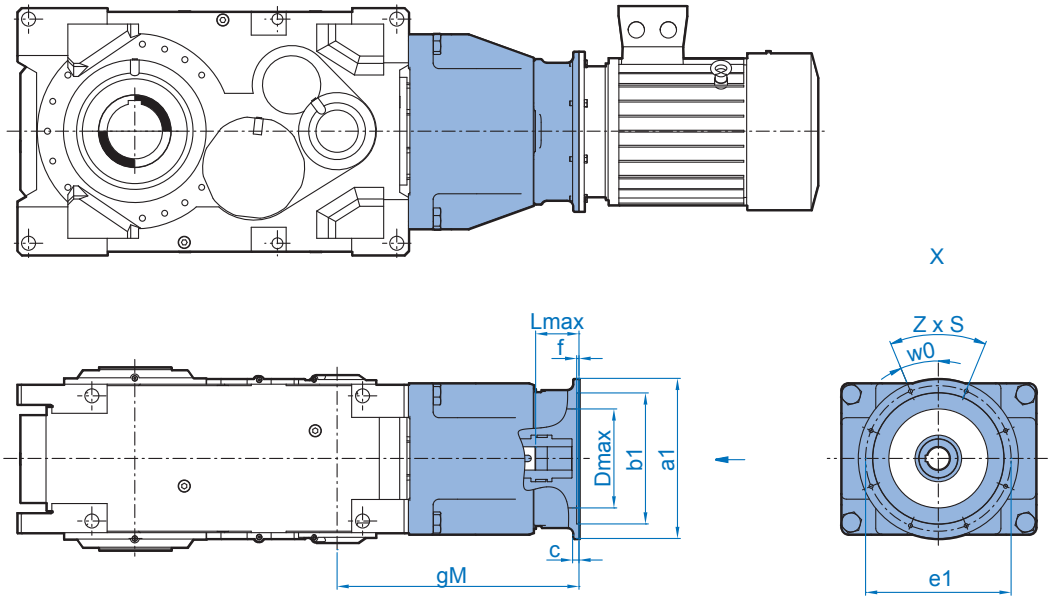
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request

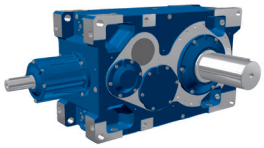


Right-Angle Drives
SK 10407/10507 (NEMA)

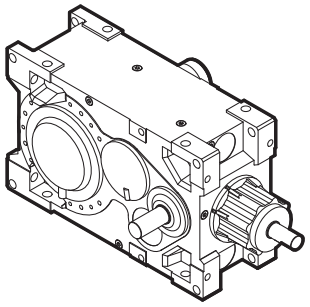
SK 10407 - SK 10507

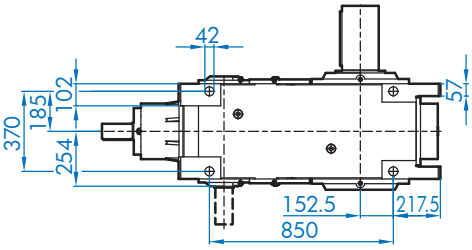


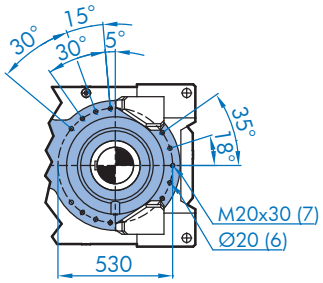
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 10407	NEMA	254/256 TC	670	350	215.9	184.15	38	4	4 x 1/2-13	45	220	208 / 218
		284/286 TC	670	350	266.7	228.6	38	4	4 x 1/2-13	45	220	208 / 218
		324/326 TC	681	400	317.5	279.4	51	4	4 x 5/8-11	45	265	219 / 229
		364/365 TC	711	450	317.5	279.4	52	4	4 x 5/8-11	45	280	249 / 259
		404/405 TC	725	550	317.5	279.4	70	6	4 x 5/8-11	45	330	263 / 273
		444/445 TC	757	550	406.4	355.6	102	6	4 x 5/8-11	45	330	295 / 305
		447/449 TC	752	660	406.4	355.6	67	6	4 x 5/8-11	45	330	290 / 300
SK 10507	NEMA	254/256 TC	568	350	215.9	184.15	38	4	4 x 1/2-13	45	220	156
		284/286 TC	568	350	266.7	228.6	38	4	4 x 1/2-13	45	220	156
		324/326 TC	579	400	317.5	279.4	51	4	4 x 5/8-11	45	265	167
		364/365 TC	609	450	317.5	279.4	52	4	4 x 5/8-11	45	280	197
		404/405 TC	623	550	317.5	279.4	70	6	4 x 5/8-11	45	330	211
		444/445 TC	655	550	406.4	355.6	102	6	4 x 5/8-11	45	330	243
		447/449 TC	650	660	406.4	355.6	67	6	4 x 5/8-11	45	330	238

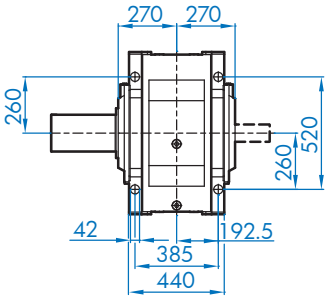


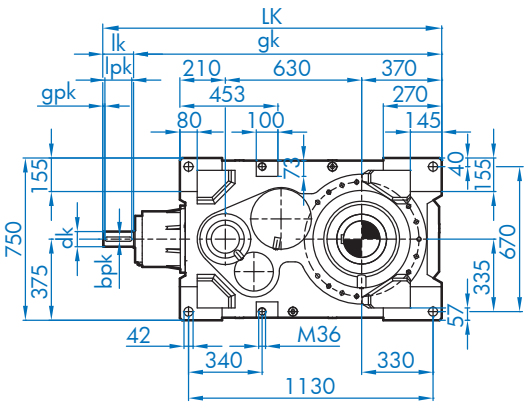
SK 11407/11507 V

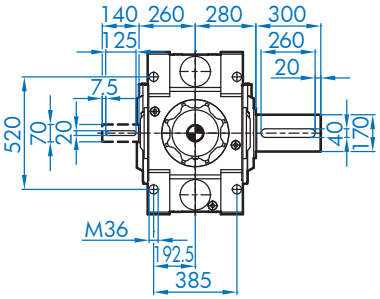




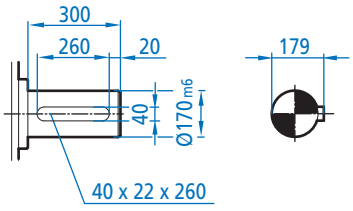




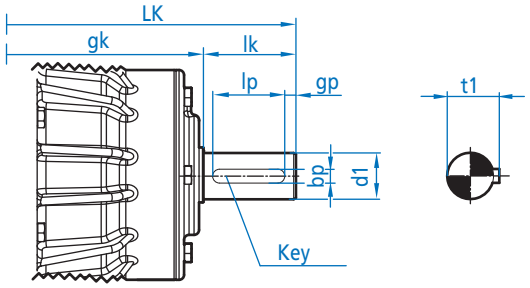




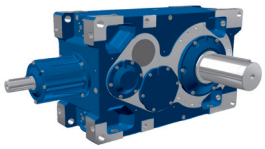
SK 11407/11507 V - Output Shaft Detail



SK 11407/11507 V - Input Shaft Detail

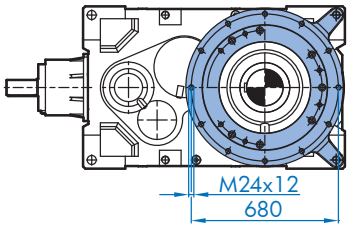


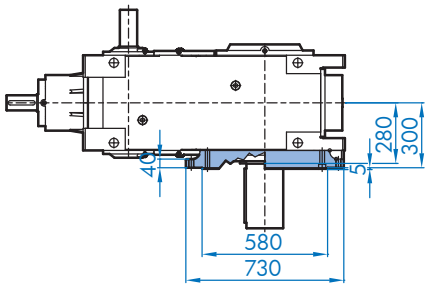
Bevel Input	Ratio	LK	gk	t1	Ødk	lk	lpk	bpk	gpk	key
SK 11407	12.6 - 45	1564	1424	74.5	70	140	125	20	7.5	20 x 12 x 125
	50 - 71	1534	1424	54.5	50	110	90	14	10.0	14 x 9 x 90
SK 11507	80 - 400	1481	1371	54.5	50	110	90	14	10.0	14 x 9 x 90



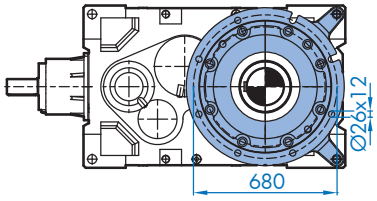
Right-Angle Drives
SK 11407 VF / SK 11507 VF

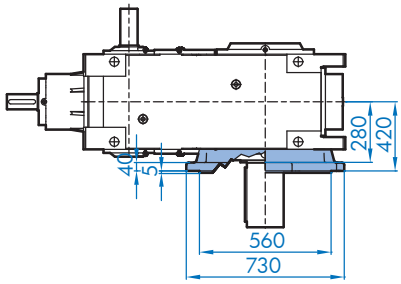
SK 11407/11507 VF



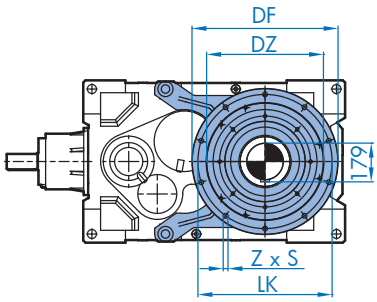


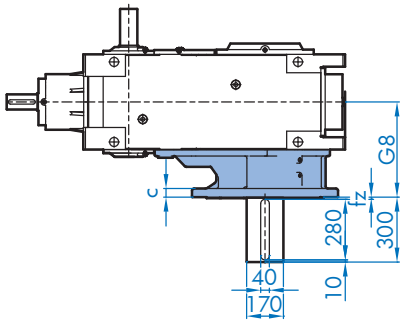
SK 11407/11507 VFK





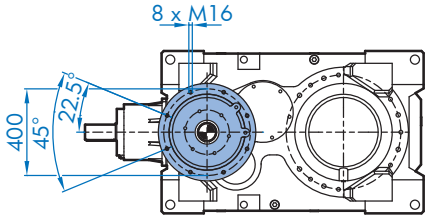
SK 11407/11507 VL2/VL3/VL4

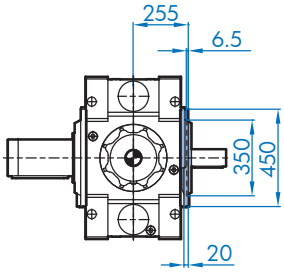




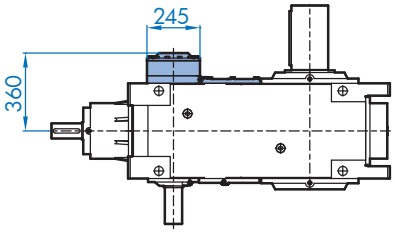
VL2/VL3	G8	DF	DZ	LK	fz	c	z	s
SK11.07	440	675	540	600	5	40	10	22
	455	760	600	620	5	50	12	22

SK 11407/11507 F1 - Input Flange



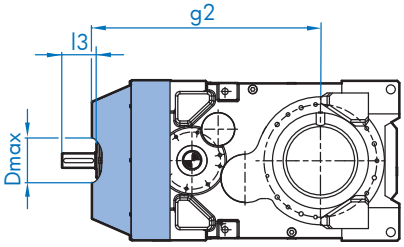


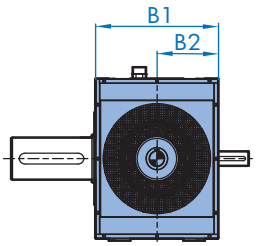
SK 11407/11507 R - Backstop



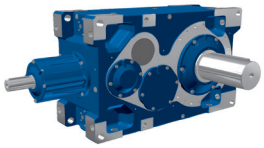
R	i_N	DR	g3
SK11407	11.2 - 80	245	360
SK11507	80 - 100	210	350
SK11507	112 - 400	190	340

SK 11407/11507 FAN

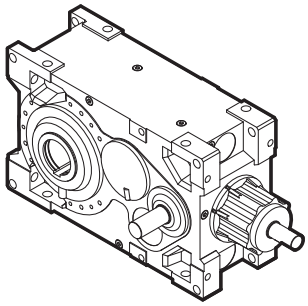


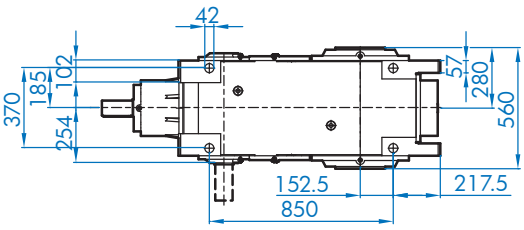


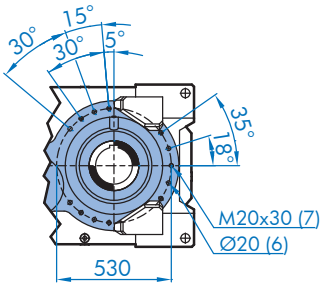
FAN	i_N	B1	B2	g2	l3	Dmax
SK11407	12.6 - 45	574	287	1125	100	Ø210
	50 - 71	574	287	1125	70	Ø210
SK11507	80 - 400	574	287	1050	70	Ø210

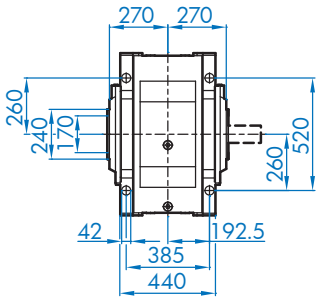


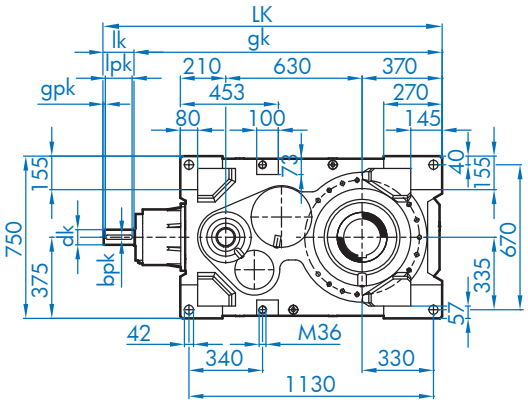
SK 11407/11507 A

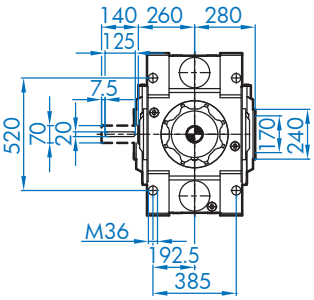




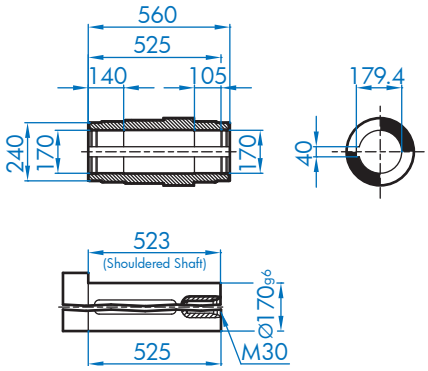






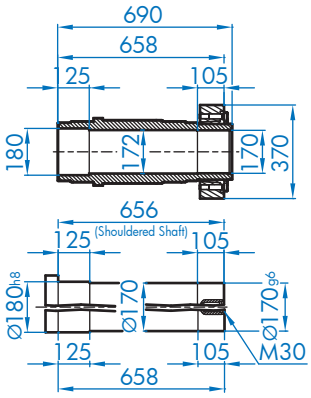


SK 11407/11507 A



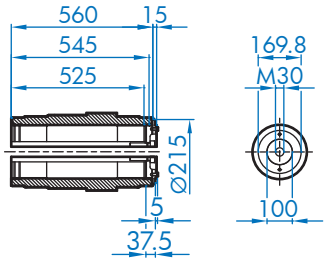
customer shaft recommendation

SK 11407/11507 AS

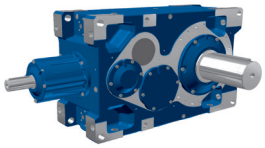


customer shaft recommendation

SK 11407/11507 - AB

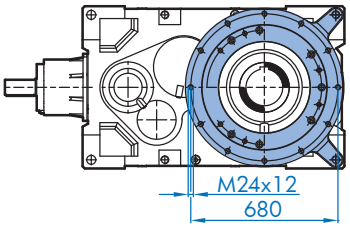


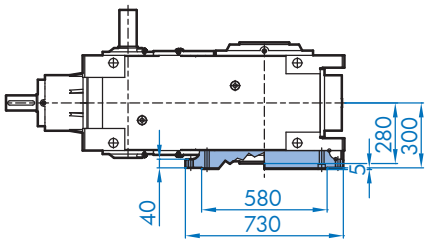
Bevel Input	Ratio	LK	gk	Ødk	lk	lpk	bpk	gpk	key
SK 11407	12.6 - 45	1564	1424	70	140	125	20	7.5	20 x 12 x 125
	50 - 71	1534	1424	50	110	90	14	10.0	14 x 9 x 90
SK 11507	80 - 400	1481	1371	50	110	90	14	10.0	14 x 9 x 90



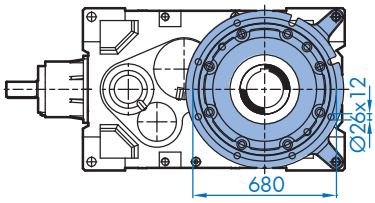
Right-Angle Drives
SK 11407 AF / SK 11507 AF

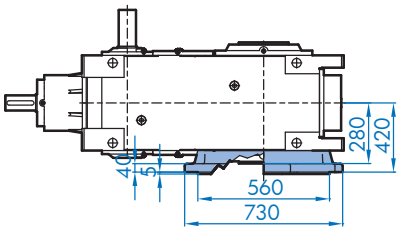
SK 11407/11507 AF



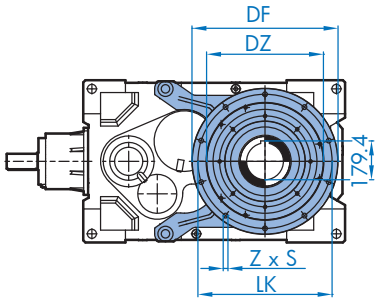


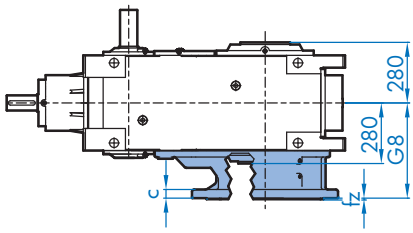
SK 11407/11507 AFK





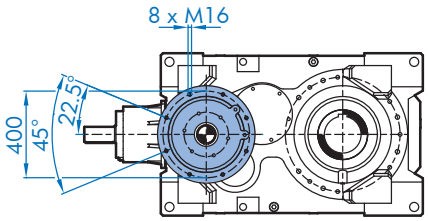
SK 11407/11507 VL2/VL3/VL4

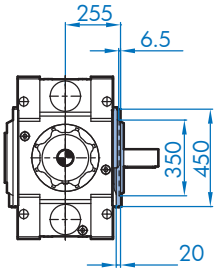




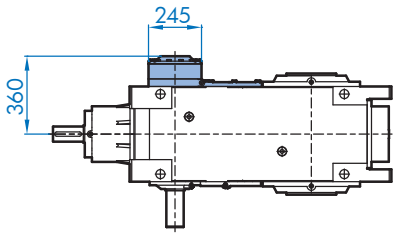
VL2/VL3	G8	DF	DZ	LK	fz	c	z	s
SK11.07	440	675	540	600	5	40	10	22
	455	760	600	620	5	50	12	22

SK 11407/11507 F1 - Input Flange



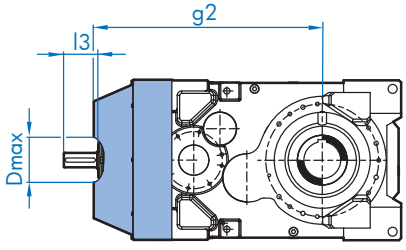


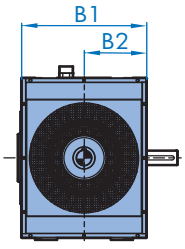
SK 11407/11507 R - Backstop



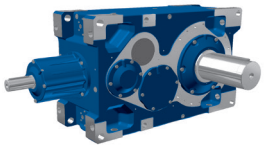
R	i_N	DR	g3
SK11407	11.2 - 80	245	360
SK11507	80 - 100	210	350
SK11507	112 - 400	190	340

SK 11407/11507 FAN

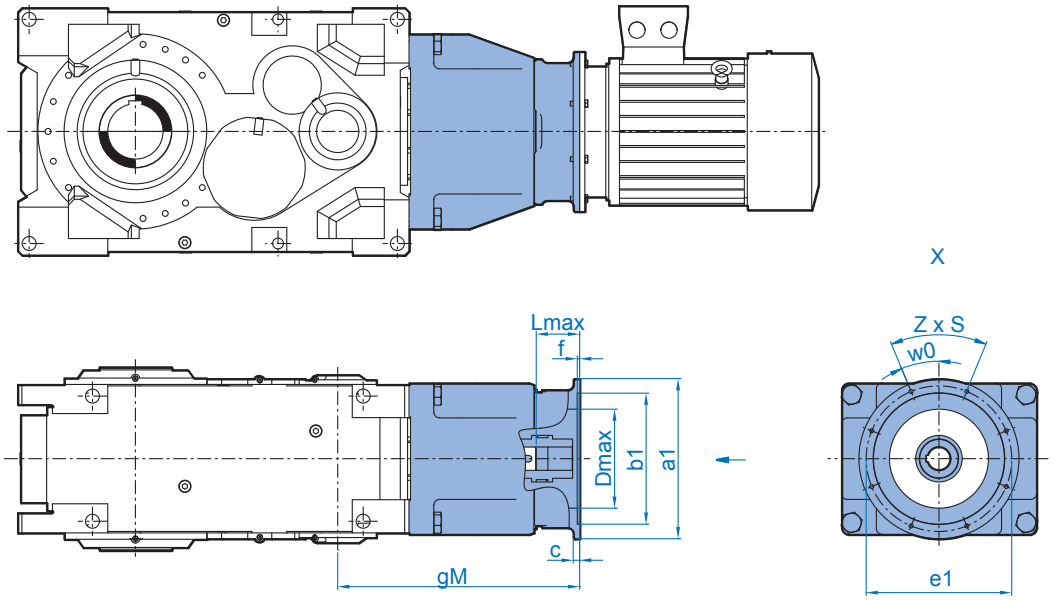




FAN	i_N	B1	B2	g2	l3	Dmax
SK11407	12.6 - 45	574	287	1125	100	Ø210
	50 - 71	574	287	1125	70	Ø210
SK11507	80 - 400	574	287	1050	70	Ø210



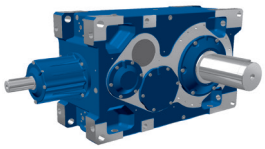
SK 11407 - SK 11507



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 11407	IEC	160	684	350	250	300	15	6.5	4 x 17.5	45.0	228	120 / 150
		180	684	350	250	300	15	6.5	4 x 17.5	45.0	228	120 / 150
		200	684	400	300	350	17	6.5	4 x 17.5	45.0	276	120 / 150
		225	714	450	350	400	18	6.5	8 x 17.5	22.5	290	150 / 180
		250	714	550	450	500	22	8.0	8 x M16	22.5	340	150 / 180
		280	714	550	450	500	22	8.0	8 x M16	22.5	340	150 / 180
		315	744	660	550	600	22	8.0	8 x 22	22.5	340	180 / 210
	TN [2]	315T	744	800	680	740	25	8.0	8 x 22	22.5	340	180 / 210
		355T	744	900	780	840	25	8.0	8 x 22	22.5	340	180 / 210
SK 11507	IEC	160	601	350	250	300	15	6.5	4 x 17.5	45.0	228	120
		180	601	350	250	300	15	6.5	4 x 17.5	45.0	228	120
		200	601	400	300	350	17	6.5	4 x 17.5	45.0	276	120
		225	631	450	350	400	18	6.5	8 x 17.5	22.5	290	150
		250	631	550	450	500	22	8.0	8 x M16	22.5	340	150
		280	631	550	450	500	22	8.0	8 x M16	22.5	340	150
		315	661	660	550	600	22	8.0	8 x 22	22.5	340	180
	TN [2]	315T	661	800	680	740	25	8.0	8 x 22	22.5	340	180
		355T	661	900	780	840	25	8.0	8 x 22	22.5	340	180

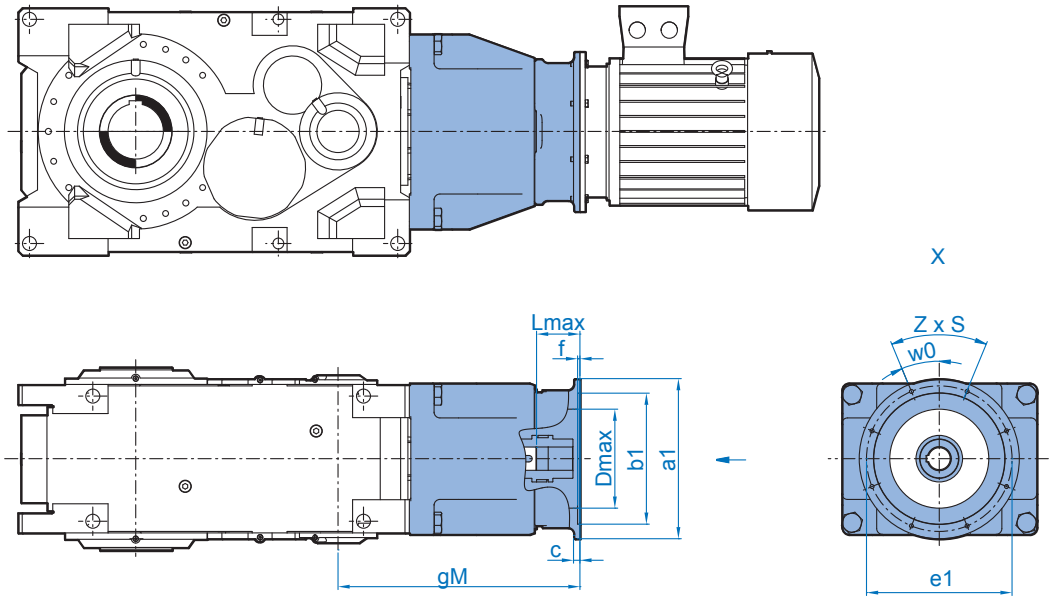
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request

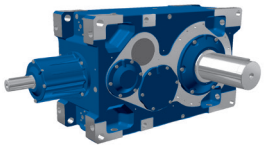


Right-Angle Drives
SK 11407/11507 (NEMA)

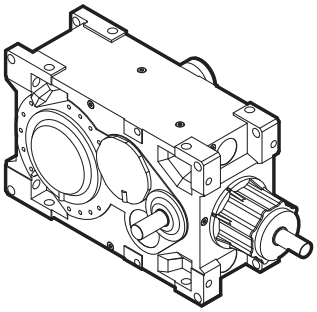
SK 11407 - SK 11507

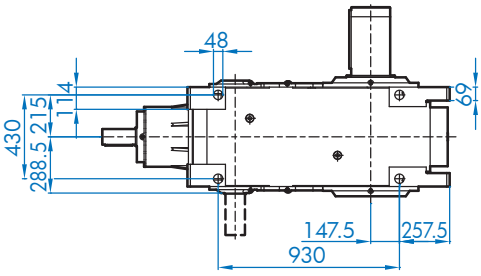


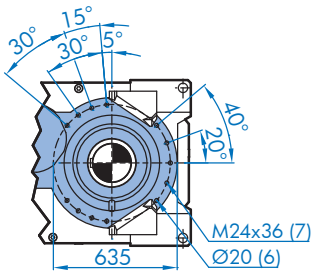
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 11407	NEMA	254/256 TC	707	350	215.9	184.15	38	4	4 x 1/2-13	45	220	143 / 173
		284/286 TC	707	350	266.7	228.6	38	4	4 x 1/2-13	45	220	143 / 173
		324/326 TC	718	400	317.5	279.4	51	4	4 x 5/8-11	45	265	154 / 184
		364/365 TC	748	450	317.5	279.4	52	4	4 x 5/8-11	45	280	184 / 214
		404/405 TC	762	550	317.5	279.4	70	6	4 x 5/8-11	45	330	198 / 228
		444/445 TC	794	550	406.4	355.6	102	6	4 x 5/8-11	45	330	230 / 260
		447/449 TC	789	660	406.4	355.6	67	6	4 x 5/8-11	45	330	225 / 255
SK 11507	NEMA	254/256 TC	624	350	215.9	184.15	38	4	4 x 1/2-13	45	220	143
		284/286 TC	624	350	266.7	228.6	38	4	4 x 1/2-13	45	220	143
		324/326 TC	635	400	317.5	279.4	51	4	4 x 5/8-11	45	265	154
		364/365 TC	665	450	317.5	279.4	52	4	4 x 5/8-11	45	280	184
		404/405 TC	679	550	317.5	279.4	70	6	4 x 5/8-11	45	330	198
		444/445 TC	711	550	406.4	355.6	102	6	4 x 5/8-11	45	330	230
		447/449 TC	706	660	406.4	355.6	67	6	4 x 5/8-11	45	330	225

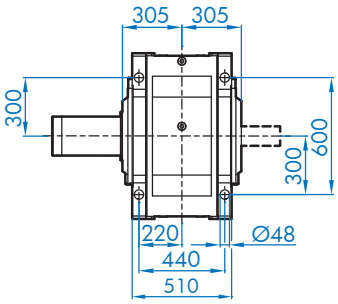


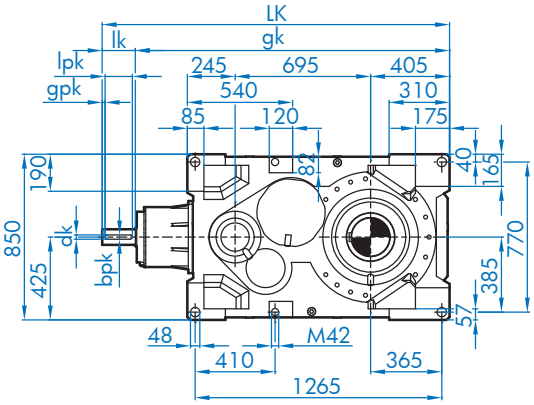
SK 12407/12507 V

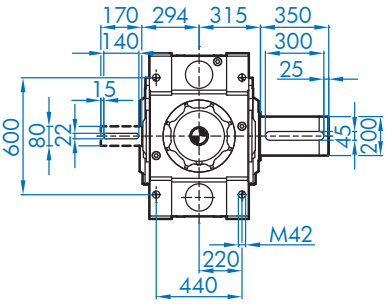




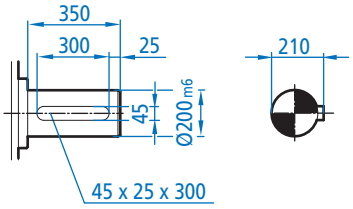




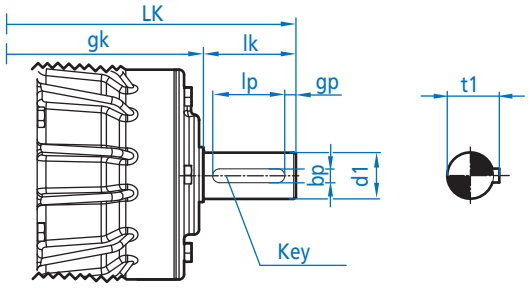




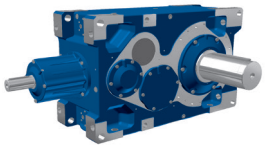
SK 12407/12507 V - Output Shaft Detail



SK 12407/12507 V - Input Shaft Detail

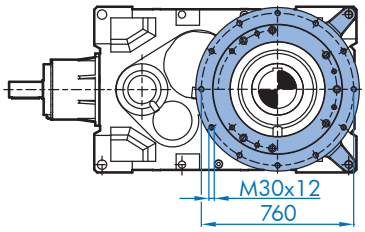


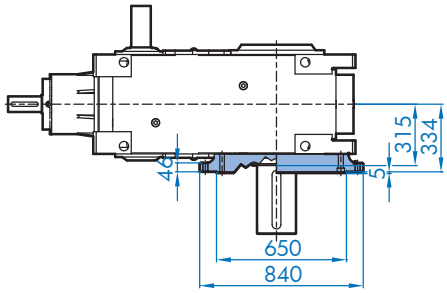
Bevel Input	Ratio	LK	gk	Ødk	t1	lk	lpk	bpk	gpk	key
SK 12407	12.6 - 45	1782	1612	80	85.0	170	140	22	15.0	22 x 14 x 140
	50 - 71	1752	1612	70	74.5	140	125	20	7.5	20 x 12 x 125
SK 12507	80 - 400	1634	1524	50	54.5	110	90	14	10.0	14 x 9 x 90



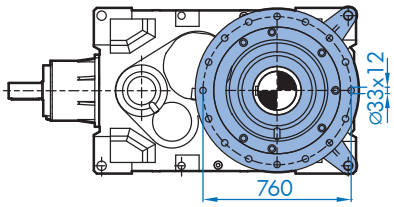
Right-Angle Drives
SK 12407 VF / SK 12507 VF

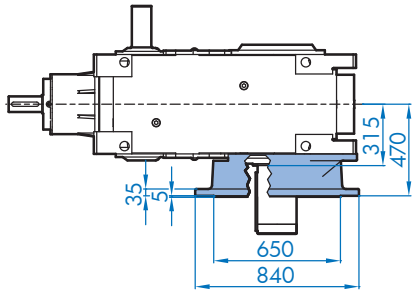
SK 12407/12507 VF



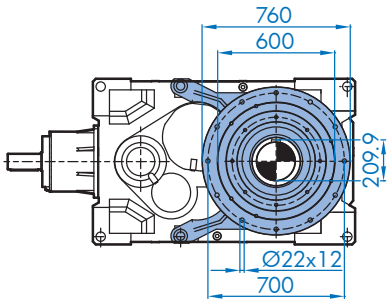


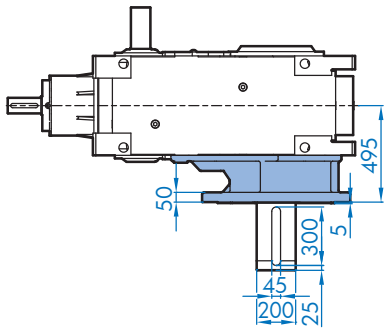
SK 12407/12507 VFK



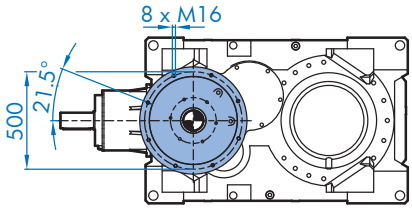


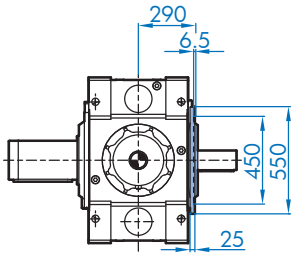
SK 12407/12507 VL2/VL3/VL4



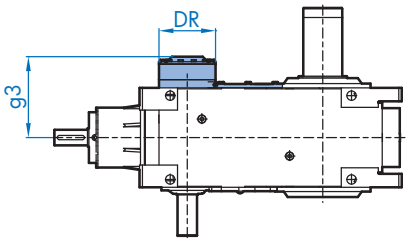


SK 12407/12507 F1 - Input Flange



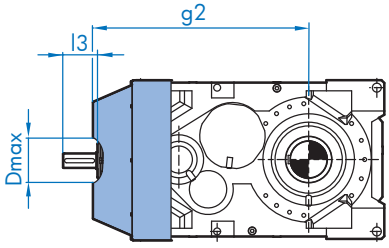


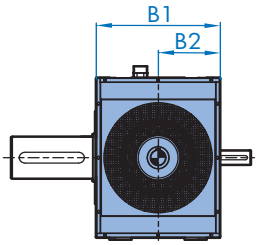
SK 12407/12507 R - Backstop



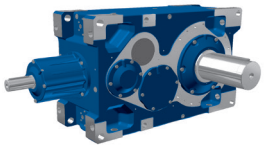
R	i_N	DR	g3
SK12407	12.6 - 71	290	415
SK12507	80 - 400	210	385

SK 12407/12507 FAN

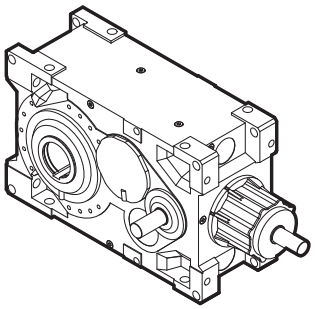


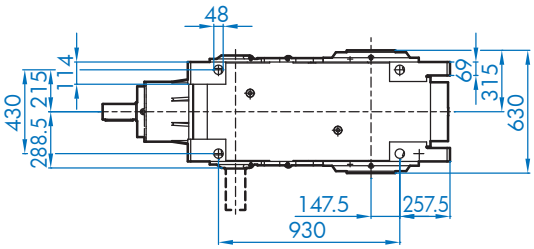


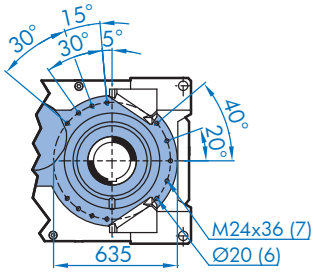
FAN	i_N	B1	B2	g2	l3	Dmax
SK12407	12.6 - 45	654	327	1280	135	Ø220
	50 - 71	654	327	1280	105	Ø220
SK12507	80 - 400	654	327	1190	75	Ø220

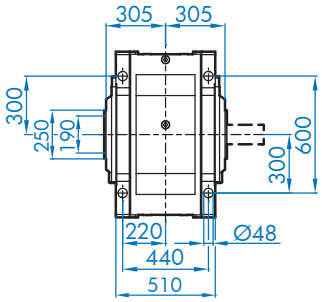


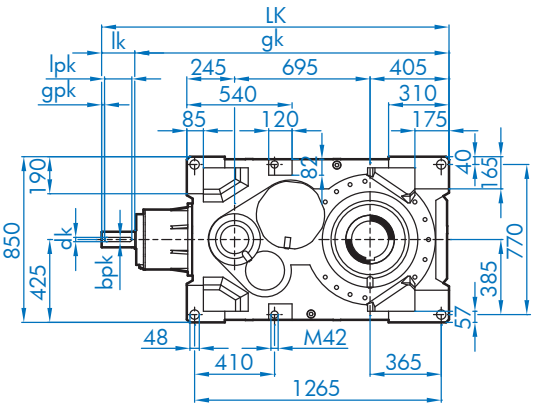
SK 12407/12507 A

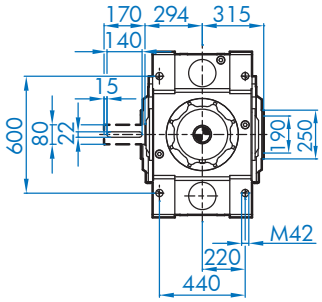




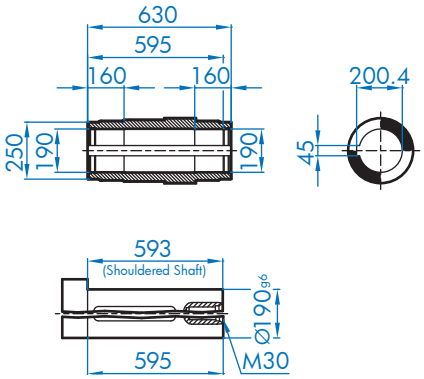






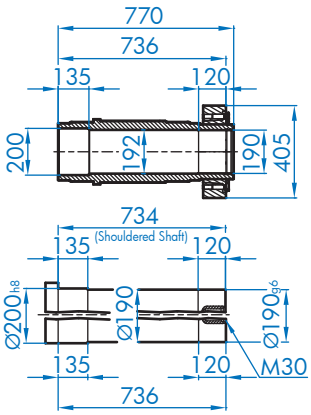


SK 12407/12507 A



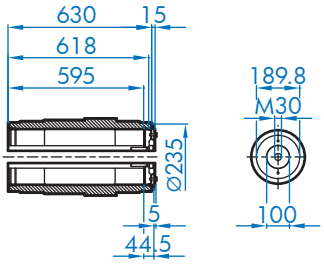
customer shaft recommendation

SK 12407/12507 AS

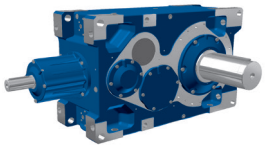


customer shaft recommendation

SK 12407/12507 - AB

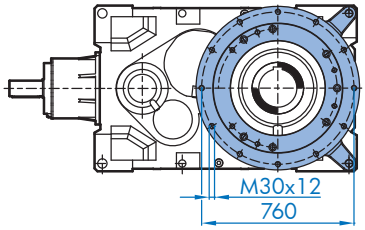


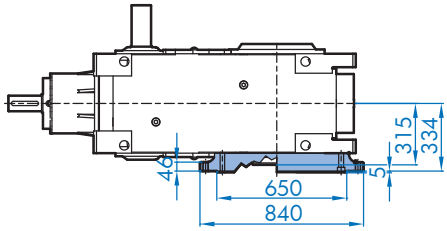
Bevel Input	Ratio	LK	gk	Ødk	lk	lpk	bpk	gpk	key
SK 12407	12.6 - 45	1782	1612	80	170	140	22	15.0	22 x 14 x 140
	50 - 71	1752	1612	70	140	125	20	7.5	20 x 12 x 125
SK 12507	80 - 400	1634	1524	50	110	90	14	10.0	14 x 9 x 90



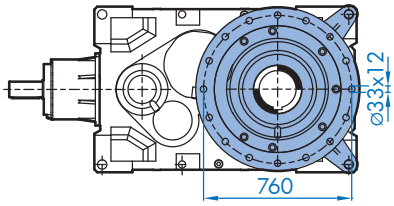
Right-Angle Drives
SK 12407 AF / SK 12507 AF

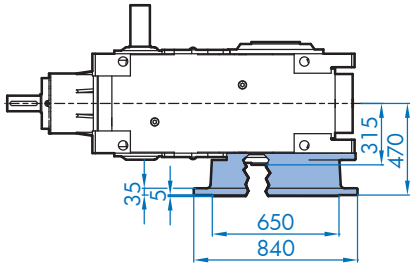
SK 12407/12507 AF



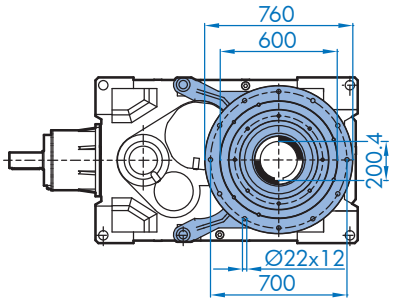


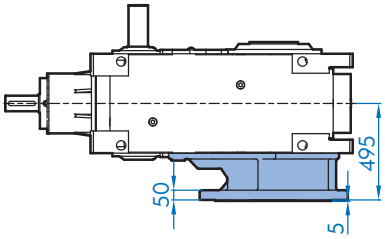
SK 12407/12507 AFK



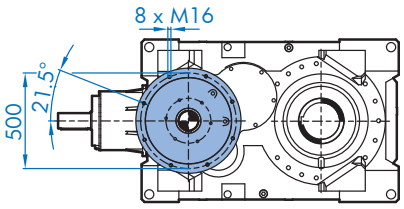


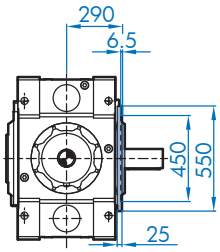
SK 12407/12507 VL2/VL3/VL4



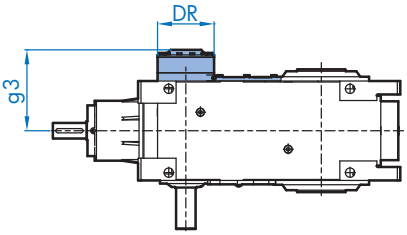


SK 12407/12507 F1 - Input Flange

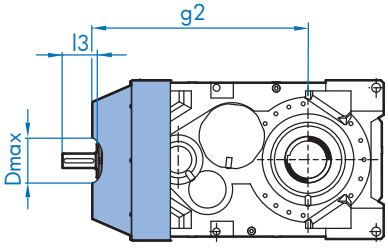


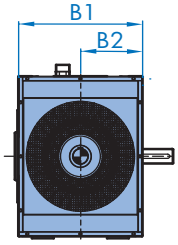


SK 12407/12507 R - Backstop



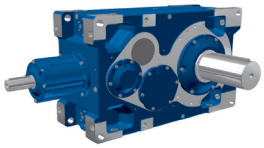
SK 12407/12507 FAN



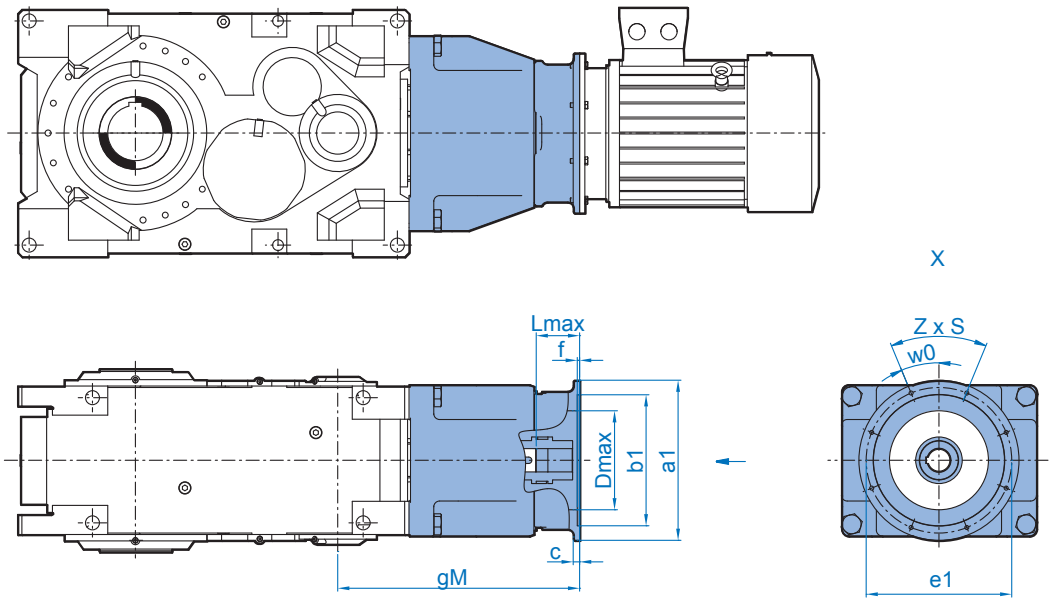


R	i_N	DR	g3
SK12407	12.6 - 71	290	415
SK12507	80 - 400	210	385

FAN	i_N	B1	B2	g2	l3	Dmax
SK12407	12.6 - 45	654	327	1280	135	Ø220
	50 - 71	654	327	1280	105	Ø220
SK12507	80 - 400	654	327	1190	75	Ø220



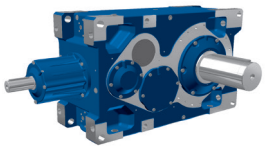
SK 12407 - SK 12507



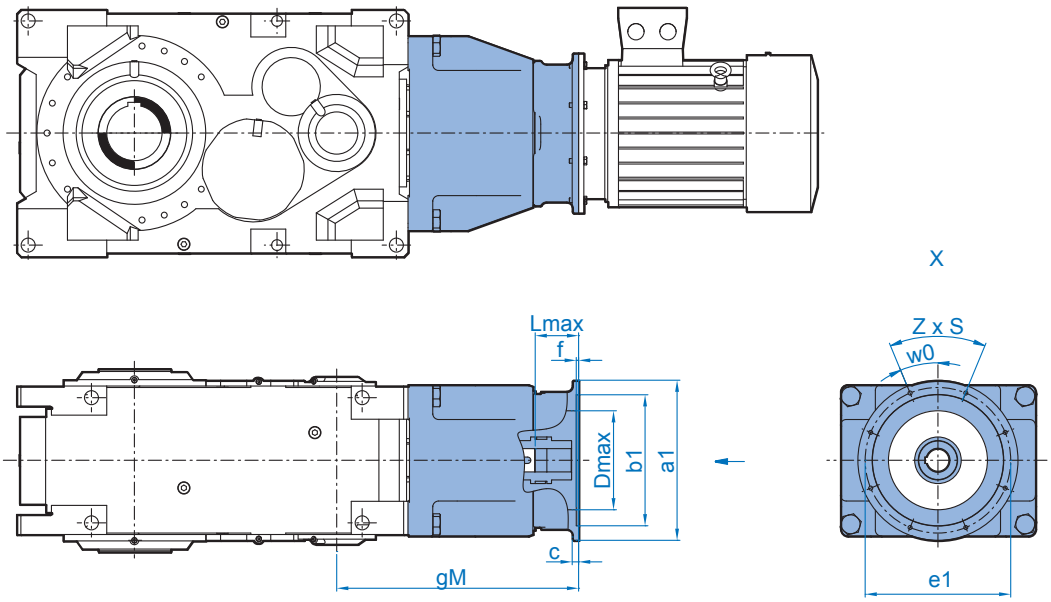
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 12407	IEC	160	801	350	250	300	15	6.5	4 x 17.5	45.0	228	119 / 149
		180	801	350	250	300	15	6.5	4 x 17.5	45.0	228	119 / 149
		200	801	400	300	350	17	6.5	4 x 17.5	45.0	276	119 / 149
		225	831	450	350	400	18	6.5	8 x 17.5	22.5	290	149 / 179
		250	831	550	450	500	22	8.0	8 x M16	22.5	340	149 / 179
		280	831	550	450	500	22	8.0	8 x M16	22.5	340	149 / 179
		315	861	660	550	600	22	8.0	8 x 22	22.5	340	179 / 209
	TN [2]	315T	861	800	680	740	25	8.0	8 x 22	22.5	340	179 / 209
		355T	861	900	780	840	25	8.0	8 x 22	22.5	340	179 / 209
SK 12507	IEC	160	650	350	250	300	15	6.5	4 x 17.5	45.0	228	116
		180	650	350	250	300	15	6.5	4 x 17.5	45.0	228	116
		200	650	400	300	350	17	6.5	4 x 17.5	45.0	276	116
		225	680	450	350	400	18	6.5	8 x 17.5	22.5	290	146
		250	680	550	450	500	22	8.0	8 x M16	22.5	340	146
		280	680	550	450	500	22	8.0	8 x M16	22.5	340	146
		315	710	660	550	600	22	8.0	8 x 22	22.5	340	176
	TN [2]	315T	710	800	680	740	25	8.0	8 x 22	22.5	340	176
		355T	710	900	780	840	25	8.0	8 x 22	22.5	340	176

[1] Type designation and dimensions up to 200kW correspond to NORD motors

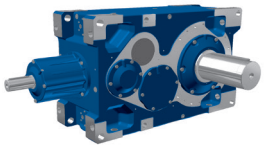
[2] Data for Transnorm motors available on request



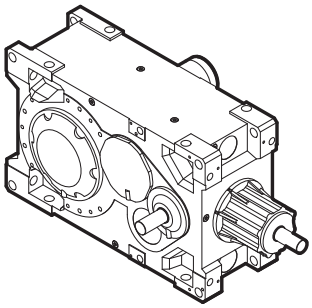
SK 12407 - SK 12507

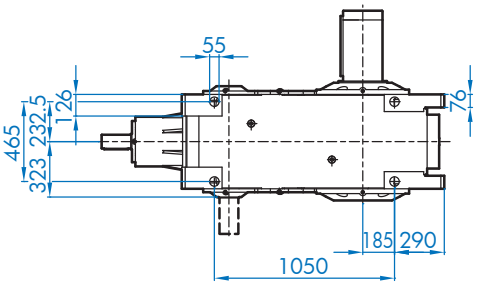


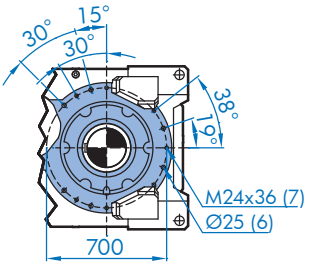
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 12407	NEMA	254/256 TC	824	350	215.9	184.15	38	4	4 x 1/2-13	45	220	142 / 172
		284/286 TC	824	350	266.7	228.6	38	4	4 x 1/2-13	45	220	172 / 172
		324/326 TC	835	400	317.5	279.4	51	4	4 x 5/8-11	45	265	153 / 183
		364/365 TC	865	450	317.5	279.4	52	4	4 x 5/8-11	45	280	183 / 213
		404/405 TC	879	550	317.5	279.4	70	6	4 x 5/8-11	45	330	197 / 227
		444/445 TC	911	550	406.4	355.6	102	6	4 x 5/8-11	45	330	229 / 259
		447/449 TC	906	660	406.4	355.6	67	6	4 x 5/8-11	45	330	224 / 254
SK 12507	NEMA	254/256 TC	673	350	215.9	184.15	38	4	4 x 1/2-13	45	220	139
		284/286 TC	673	350	266.7	228.6	38	4	4 x 1/2-13	45	220	139
		324/326 TC	684	400	317.5	279.4	51	4	4 x 5/8-11	45	265	150
		364/365 TC	714	450	317.5	279.4	52	4	4 x 5/8-11	45	280	180
		404/405 TC	728	550	317.5	279.4	70	6	4 x 5/8-11	45	330	194
		444/445 TC	760	550	406.4	355.6	102	6	4 x 5/8-11	45	330	226
		447/449 TC	755	660	406.4	355.6	67	6	4 x 5/8-11	45	330	221

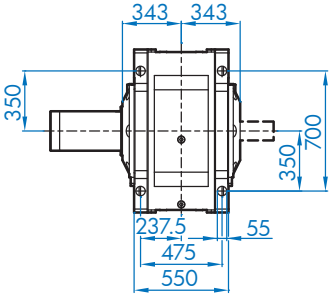


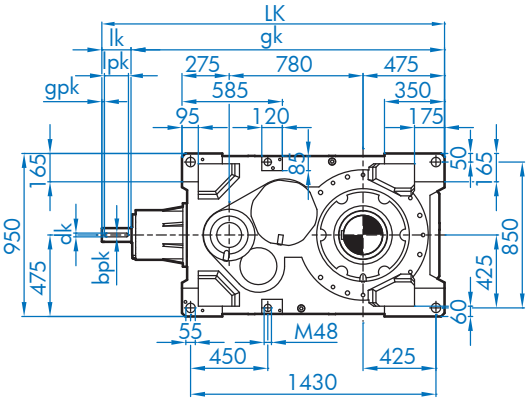
SK 13407/13507 V

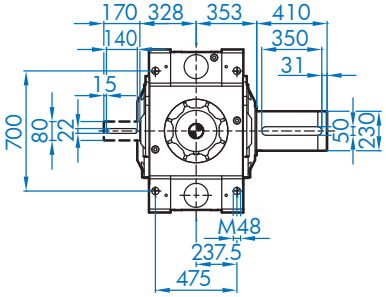




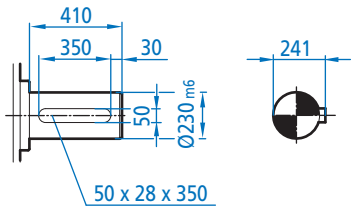




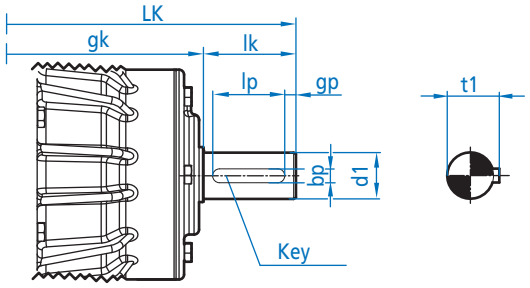




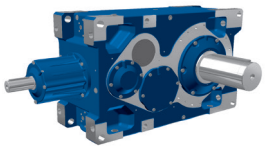
SK 13407/13507 V - Output Shaft Detail



SK 13407/13507 V - Input Shaft Detail

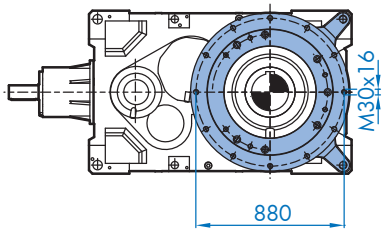


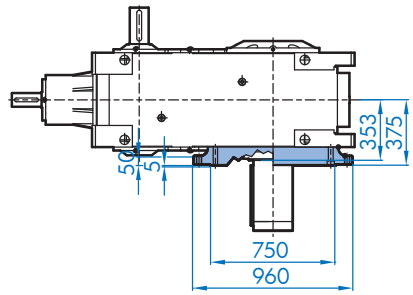
Bevel Input	Ratio	LK	gk	Ødk	t1	lk	lpk	bpk	gpk	key
SK 13407	12.6 - 45	1997	1827	80	85.0	170	140	22	15.5	22 x 14 x 140
	50 - 71	1967	1827	70	74.5	140	125	20	7.5	20 x 12 x 125
SK 13507	80 - 400	1907	1767	70	74.5	140	125	20	7.5	20 x 12 x 125



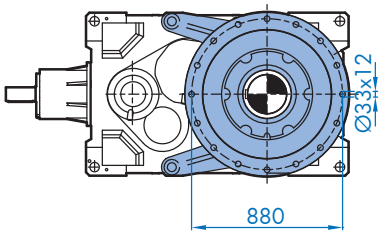
Right-Angle Drives
SK 13407 VF / SK 13507 VF

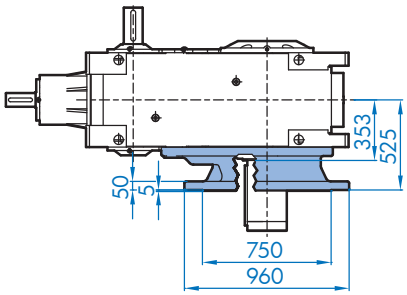
SK 13407/13507 VF



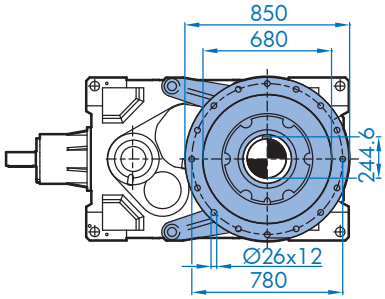


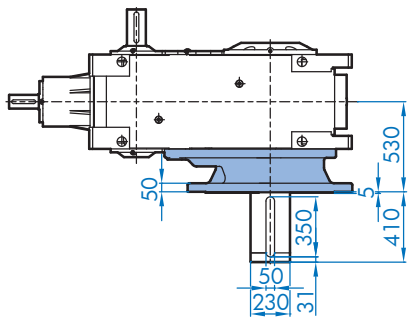
SK 13407/13507 VFK



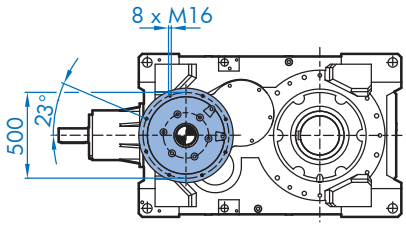


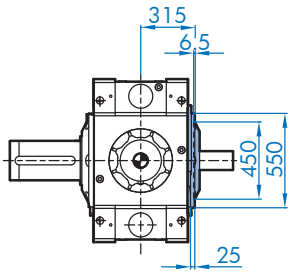
SK 13407/13507 VL2/VL3/VL4



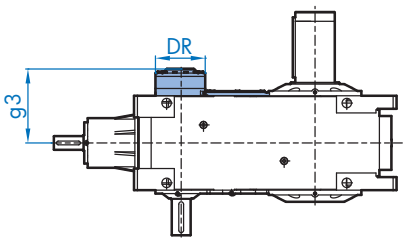


SK 13407/13507 F1 - Input Flange



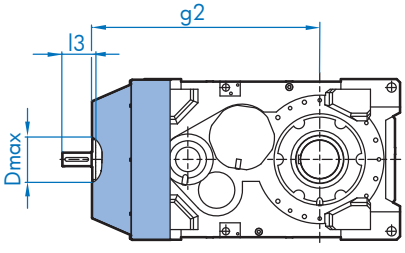


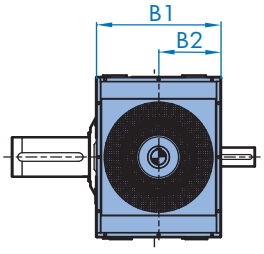
SK 13407/13507 R - Backstop



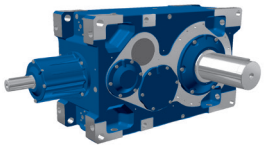
R	i_N	DR	g3
SK13407	12.6 - 71	290	431
SK13507	80 - 400	210	416.5

SK 13407/13507 FAN

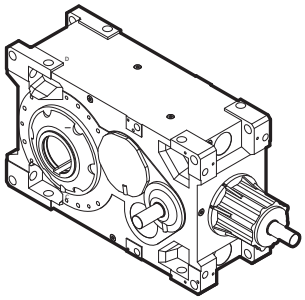


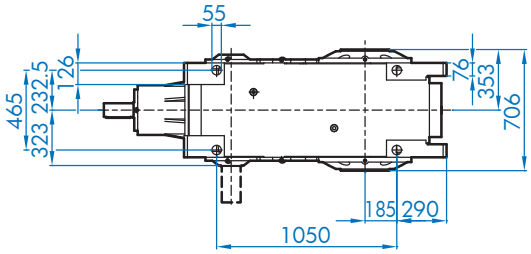


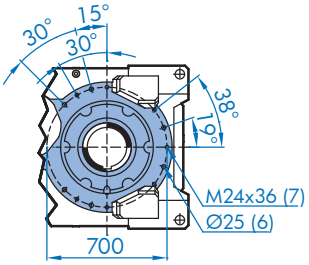
FAN	i_N	B1	B2	g2	l3	Dmax
SK13407	12.6 - 45	704	352	1425	135	Ø 240
	50 - 71	704	352	1425	105	Ø 240
SK13507	80 - 400	704	352	1365	105	Ø 240

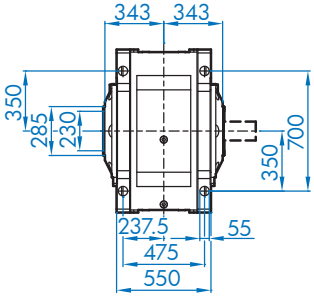


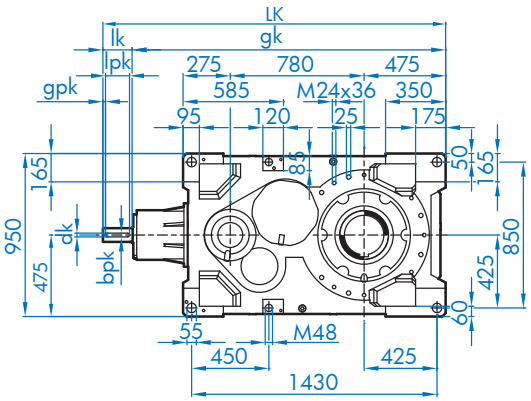
SK 13407/13507 A

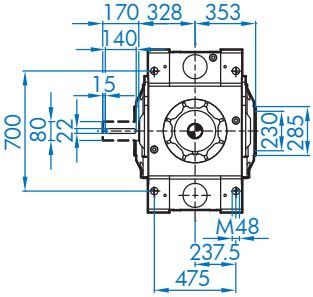




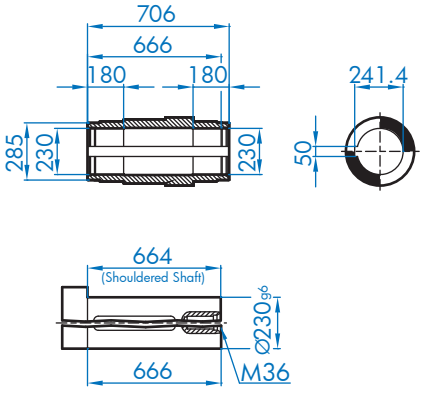






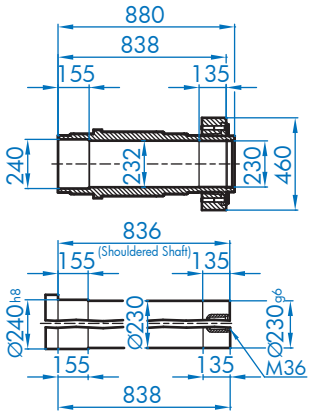


SK 13407/13507 A



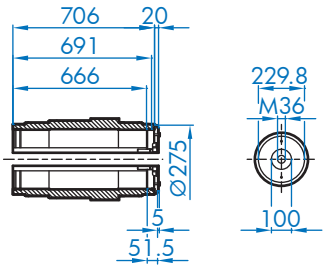
customer shaft recommendation

SK 13407/13507 AS

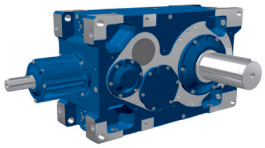


customer shaft recommendation

SK 13407/13507 - AB

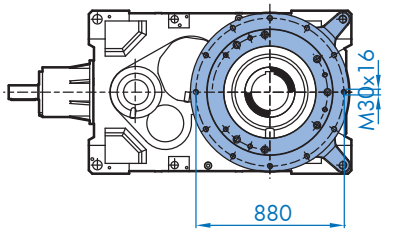


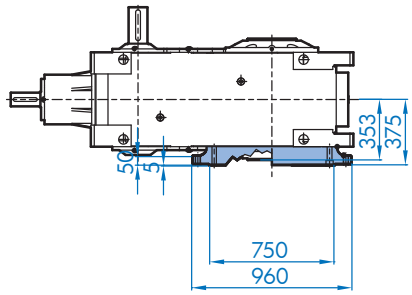
Bevel Input	Ratio	LK	gk	Ødk	lk	lpk	bpk	gpk	key
SK 13407	12.6 - 45	1997	1827	80	170	140	22	15.5	22 x 14 x 140
	50 - 71	1967	1827	70	140	125	20	7.5	20 x 12 x 125
SK 13507	80 - 400	1907	1767	70	140	125	20	7.5	20 x 12 x 125



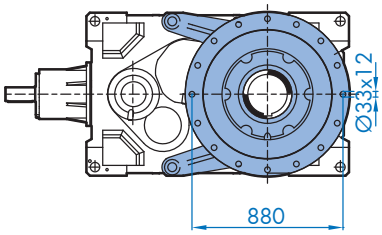
Right-Angle Drives
SK 13407 AF / SK 13507 AF

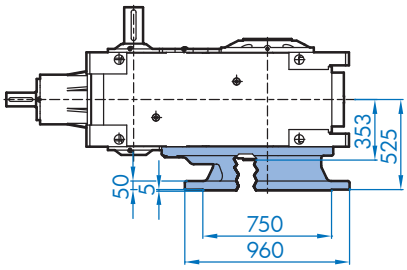
SK 13407/13507 AF



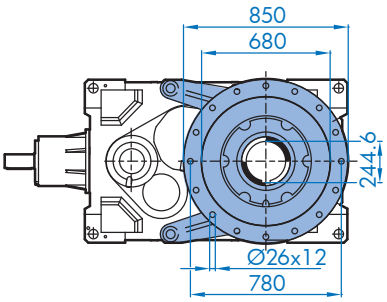


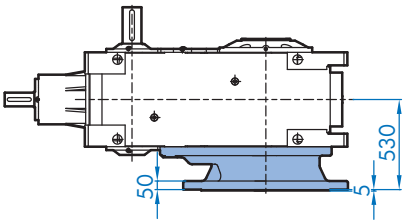
SK 13407/13507 AFK



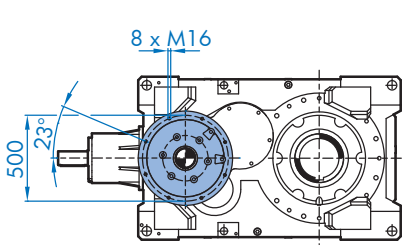


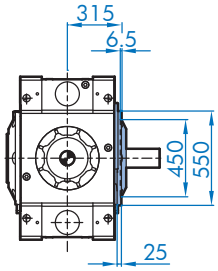
SK 13407/13507 VL2/VL3/VL4



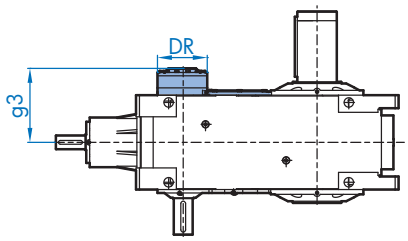


SK 13407/13507 F1 - Input Flange



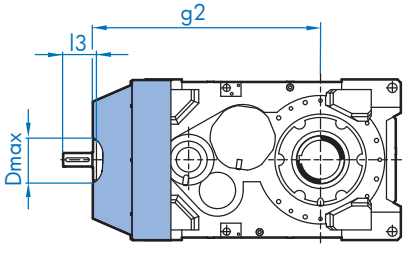


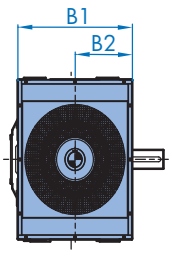
SK 13407/13507 R - Backstop



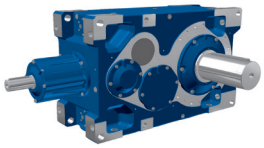
R	i_N	DR	g3
SK13407	12.6 - 71	290	431
SK13507	80 - 400	210	416.5

SK 13407/13507 FAN

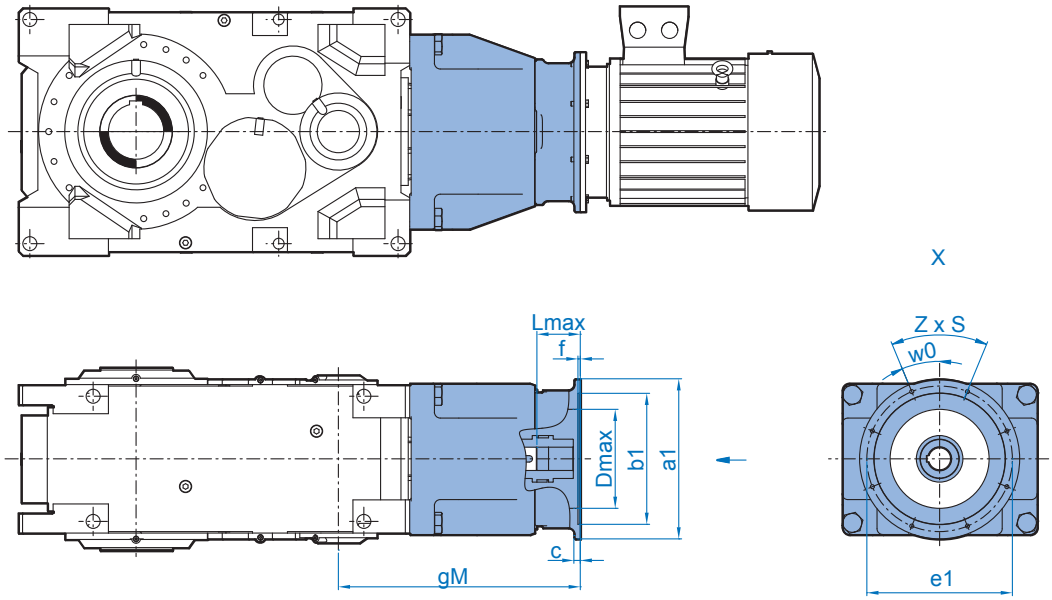




FAN	i_N	B1	B2	g2	l3	Dmax
SK13407	12.6 - 45	704	352	1425	135	Ø 240
	50 - 71	704	352	1425	105	Ø 240
SK13507	80 - 400	704	352	1365	105	Ø 240



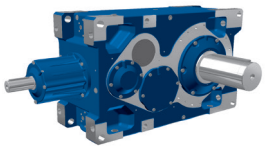
SK 13407 - SK 13507



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 13407	IEC	160	862	350	250	300	15	6.5	4 x 17.5	45	228	120 / 150
		180	862	350	250	300	15	6.5	4 x 17.5	45	228	120 / 150
		200	862	400	300	350	17	6.5	4 x 17.5	45	276	120 / 150
		225	892	450	350	400	18	6.5	8 x 17.5	22.5	290	150 / 180
		250	892	550	450	500	22	8.0	8 x M16	22.5	340	150 / 180
		280	892	550	450	500	22	8.0	8 x M16	22.5	340	150 / 180
		315	922	660	550	600	22	8.0	8 x 22	22.5	340	180 / 210
	TN [2]	315T	922	800	680	740	25	8.0	8 x 22	22.5	340	180 / 210
		355T	922	900	780	840	25	8.0	8 x 22	22.5	340	180 / 210
SK 13507	IEC	160	771	350	250	300	15	6.5	4 x 17.5	45	228	119
		180	771	350	250	300	15	6.5	4 x 17.5	45	228	119
		200	771	400	300	350	17	6.5	4 x 17.5	45	276	119
		225	801	450	350	400	18	6.5	8 x 17.5	22.5	290	149
		250	801	550	450	500	22	8.0	8 x M16	22.5	340	149
		280	801	550	450	500	22	8.0	8 x M16	22.5	340	149
		315	831	660	550	600	22	8.0	8 x 22	22.5	340	179
	TN [2]	315T	831	800	680	740	25	8.0	8 x 22	22.5	340	179
		355T	831	900	780	840	25	8.0	8 x 22	22.5	340	179

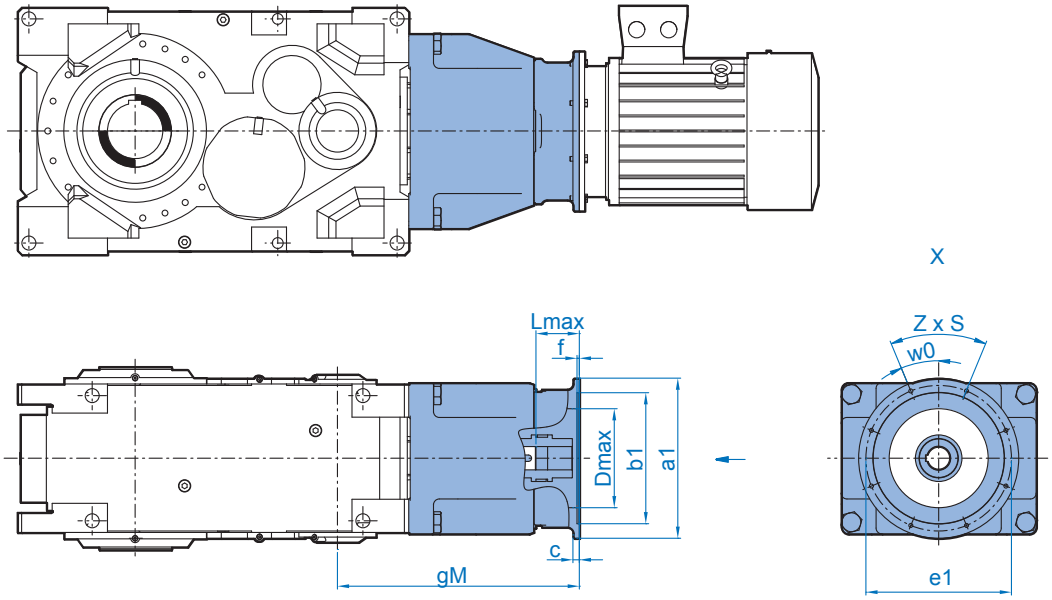
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request

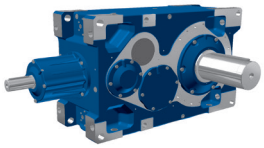


Right-Angle Drives
SK 13407/13507 (NEMA)

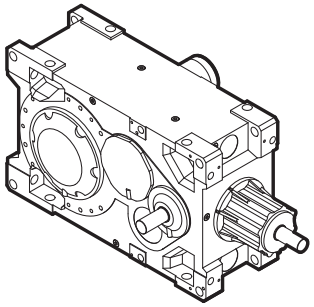
SK 13407 - SK 13507

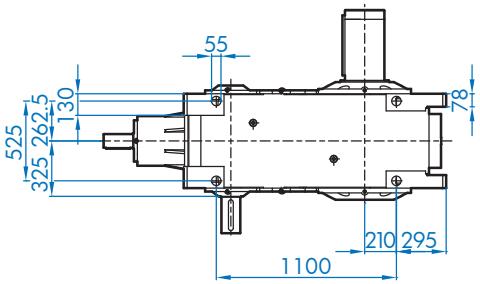


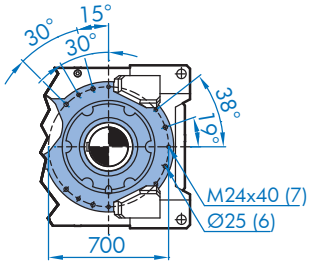
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 13407	NEMA	254/256 TC	885	350	215.9	184.15	38	4	4 x 1/2-13	45	220	143 / 173
		284/286 TC	885	350	266.7	228.6	38	4	4 x 1/2-13	45	220	143 / 173
		324/326 TC	896	400	317.5	279.4	51	4	4 x 5/8-11	45	265	154 / 184
		364/365 TC	926	450	317.5	279.4	52	4	4 x 5/8-11	45	280	184 / 214
		404/405 TC	940	550	317.5	279.4	70	6	4 x 5/8-11	45	330	198 / 228
		444/445 TC	972	550	406.4	355.6	102	6	4 x 5/8-11	45	330	230 / 260
		447/449 TC	967	660	406.4	355.6	67	6	4 x 5/8-11	45	330	225 / 255
SK 13507	NEMA	254/256 TC	794	350	215.9	184.15	38	4	4 x 1/2-13	45	220	142
		284/286 TC	794	350	266.7	228.6	38	4	4 x 1/2-13	45	220	142
		324/326 TC	805	400	317.5	279.4	51	4	4 x 5/8-11	45	265	153
		364/365 TC	835	450	317.5	279.4	52	4	4 x 5/8-11	45	280	183
		404/405 TC	849	550	317.5	279.4	70	6	4 x 5/8-11	45	330	197
		444/445 TC	881	550	406.4	355.6	102	6	4 x 5/8-11	45	330	229
		447/449 TC	876	660	406.4	355.6	67	6	4 x 5/8-11	45	330	224

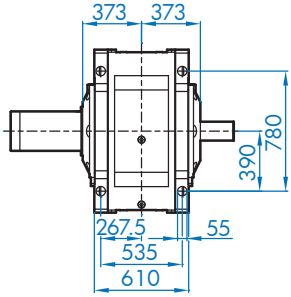


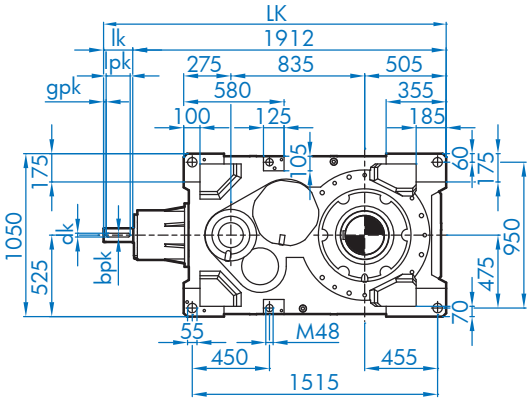
SK 14407/14507 V

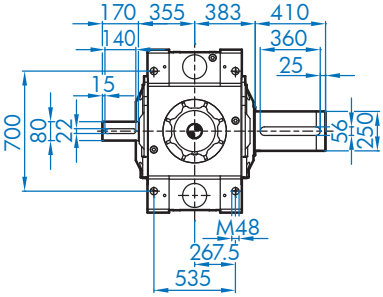




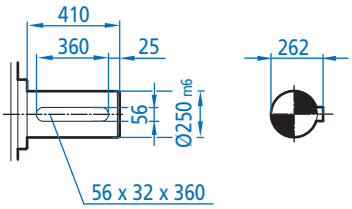




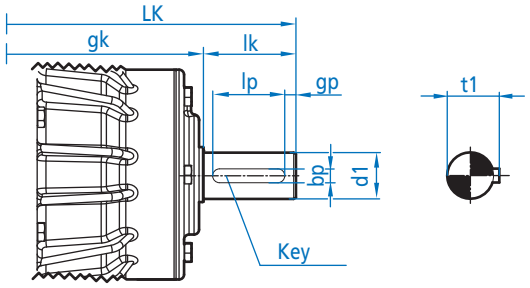




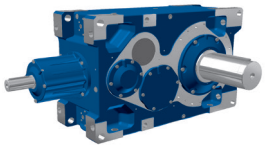
SK 14407/14507 V - Output Shaft Detail



SK 14407/14507 V - Input Shaft Detail

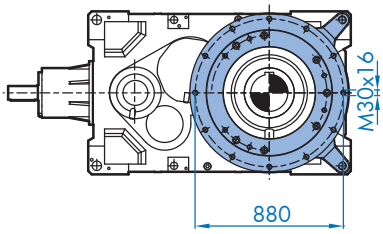


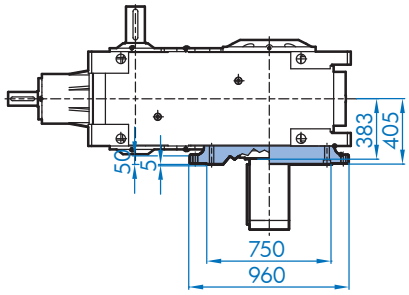
Bevel Input	Ratio	LK	gk	Ødk	t1	lk	lpk	bpk	gpk	key
SK 14407	20 - 50	2082	1912	80	85.0	170	140	22	15.0	22 x 14 x 140
	55 - 90	2052	1912	70	74.5	140	125	20	7.5	20 x 12 x 125
SK 14507	100 - 400	2052	1912	70	74.5	140	125	20	7.5	20 x 12 x 125



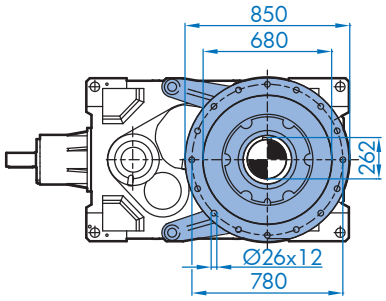
Right-Angle Drives
SK 14407 VF / SK 14507 VF

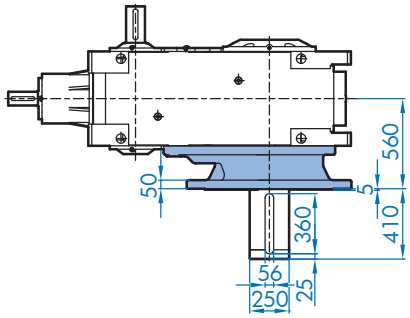
SK 14407/14507 VF



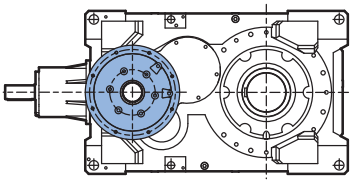


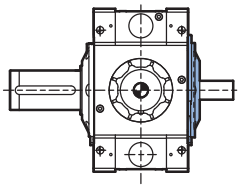
SK 14407/14507 VL2/VL3/VL4





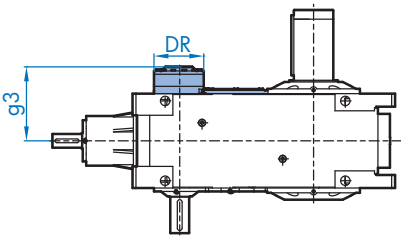
SK 14407/14507 F1 - Input Flange





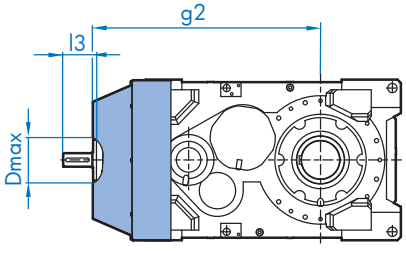
Dimensions Provided Upon Request

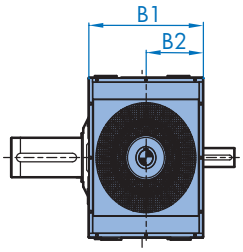
SK 14407/14507 R - Backstop



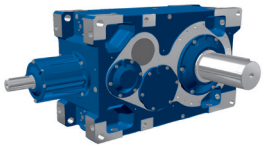
R	i_N	DR	g3
SK14407	20 - 90	290	465
SK14507	111 - 400	210	445

SK 14407/14507 FAN

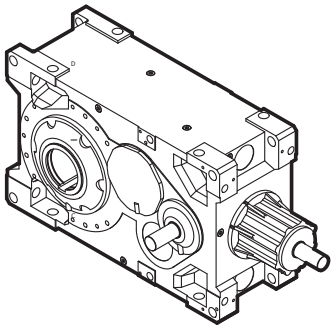


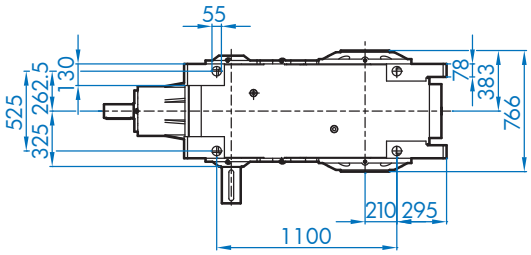


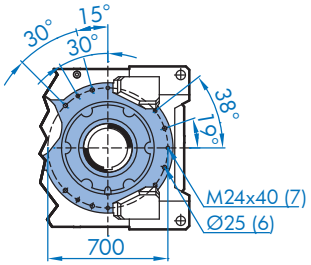
FAN	i_N	B1	B2	g2	l3	Dmax
SK14407	20 - 50	750	375	1485	135	ø 240
	55 - 90	750	375	1485	105	ø 240
SK14507	100 - 400	750	375	1485	105	ø 240

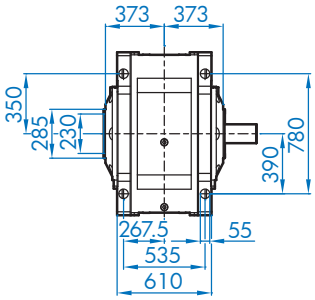


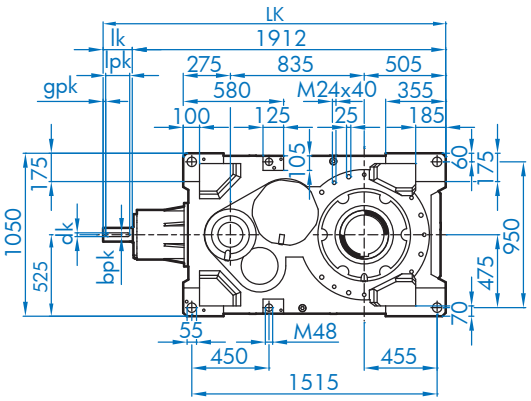
SK 14407/14507 A

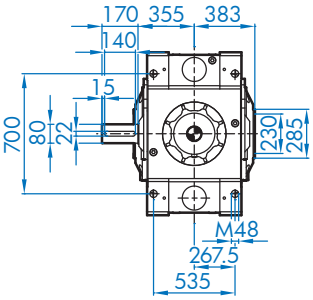




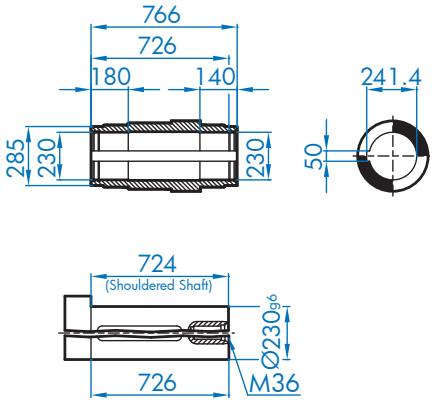






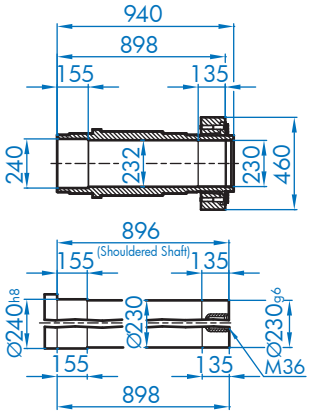


SK 14407/14507 A



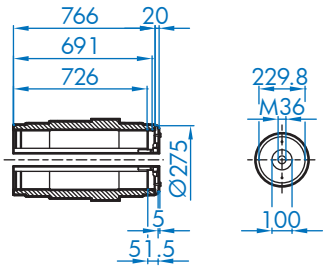
customer shaft recommendation

SK 14407/14507 AS

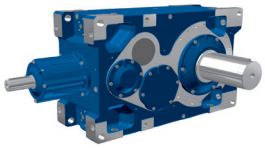


customer shaft recommendation

SK 14407/14507 - AB

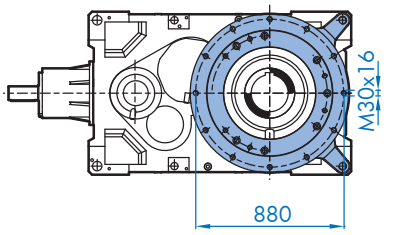


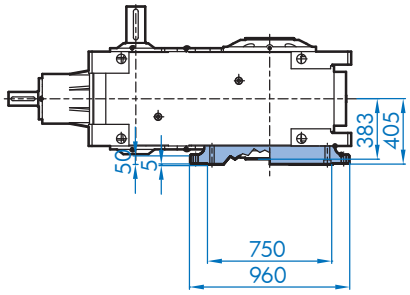
Bevel Input	Ratio	LK	gk	Ødk	lk	lpk	bpk	gpk	key
SK 14407	20 - 50	2082	1912	80	170	140	22	15.0	22 x 14 x 140
	55 - 90	2052	1912	70	140	125	20	7.5	20 x 12 x 125
SK 14507	100 - 400	2052	1912	70	140	125	20	7.5	20 x 12 x 125



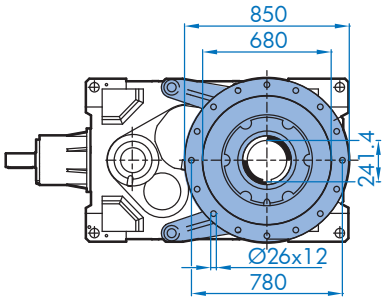
Right-Angle Drives
SK 14407 AF / SK 14507 AF

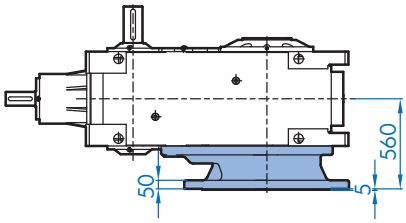
SK 14407/14507 AF



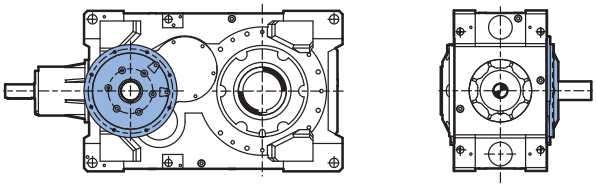


SK 14407/14507 VL2/VL3/VL4



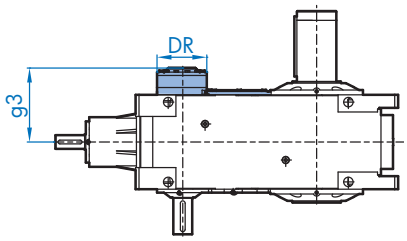


SK 14407/14507 F1 - Input Flange



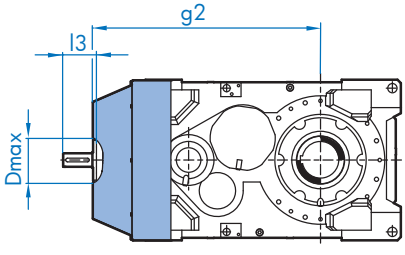
Dimensions Provided Upon Request

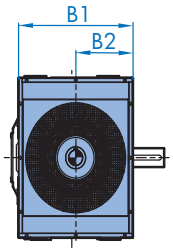
SK 14407/14507 R - Backstop



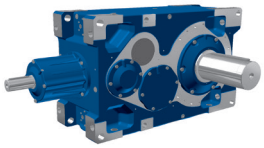
R	i_N	DR	g3
SK14407	20 - 90	290	465
SK14507	111 - 400	210	445

SK 14407/14507 FAN

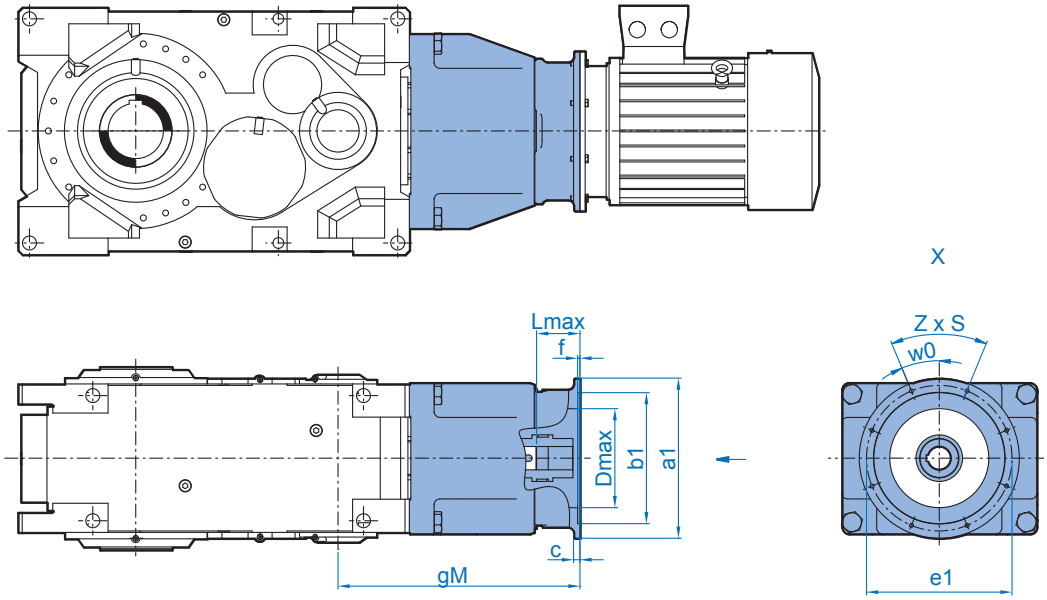




FAN	i_N	B1	B2	g2	l3	Dmax
SK14407	20 - 50	750	375	1485	135	ø 240
	55 - 90	750	375	1485	105	ø 240
SK14507	100 - 400	750	375	1485	105	ø 240



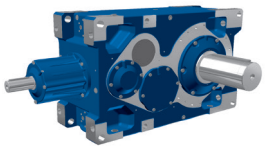
SK 14407 - SK 14507



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 14407	IEC	160	862	350	250	300	15	6.5	4 x 17.5	45.0	228	120 / 150
		180	862	350	250	300	15	6.5	4 x 17.5	45.0	228	120 / 150
		200	862	400	300	350	17	6.5	4 x 17.5	45.0	276	120 / 150
		225	892	450	350	400	18	6.5	8 x 17.5	22.5	290	150 / 180
		250	892	550	450	500	22	8.0	8 x M16	22.5	340	150 / 180
		280	892	550	450	500	22	8.0	8 x M16	22.5	340	150 / 180
		315	922	660	550	600	22	8.0	8 x 22	22.5	340	180 / 210
	TN [2]	315	922	800	680	740	25	8.0	8 x 22	22.5	340	180 / 210
		355	922	900	780	840	25	8.0	8 x 22	22.5	340	180 / 210
SK 14507	IEC	160	862	350	250	300	15	6.5	4 x 17.5	45.0	228	150
		180	862	350	250	300	15	6.5	4 x 17.5	45.0	228	150
		200	862	400	300	350	17	6.5	4 x 17.5	45.0	276	150
		225	892	450	350	400	18	6.5	8 x 17.5	22.5	290	180
		250	892	550	450	500	22	8.0	8 x M16	22.5	340	180
		280	892	550	450	500	22	8.0	8 x M16	22.5	340	180
		315	922	660	550	600	22	8.0	8 x 22	22.5	340	210
	TN [2]	315	922	800	680	740	25	8.0	8 x 22	22.5	340	210
		355	922	900	780	840	25	8.0	8 x 22	22.5	340	210

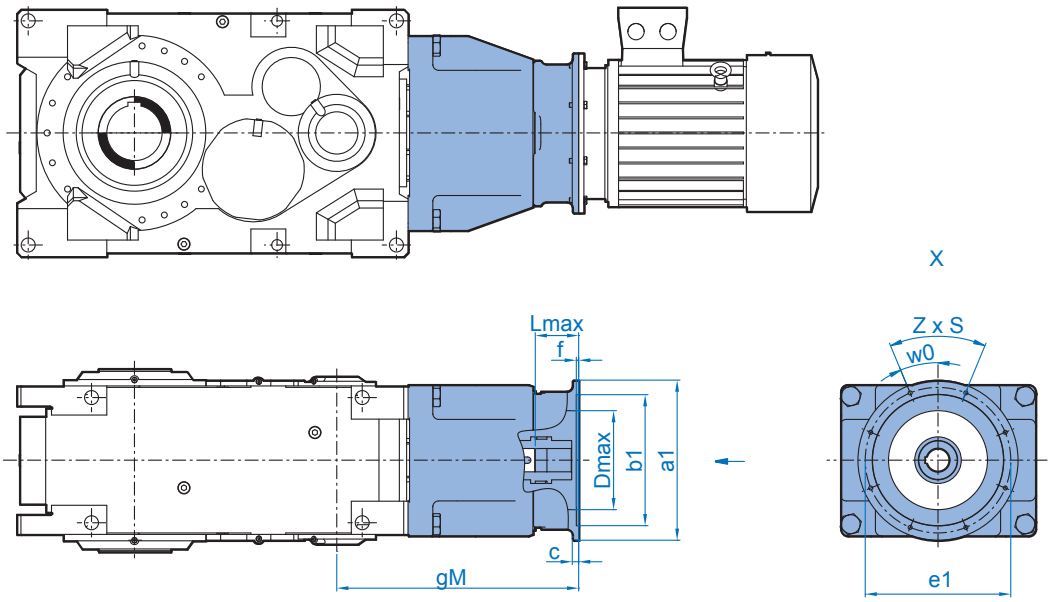
[1] Type designation and dimensions up to 200kW correspond to NORD motors

[2] Data for Transnorm motors available on request

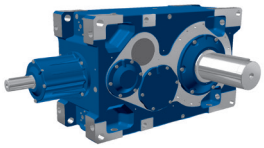


Right-Angle Drives
SK 14407/14507 (NEMA)

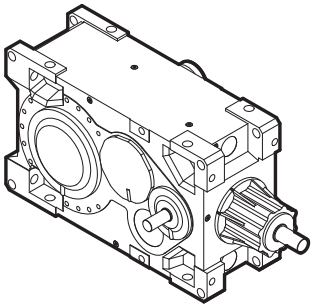
SK 14407 - SK 14507

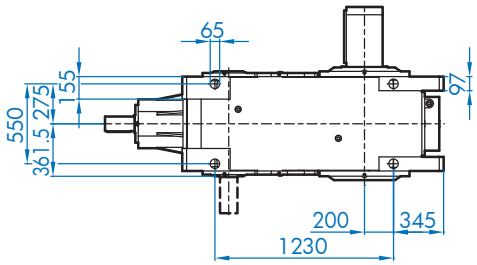


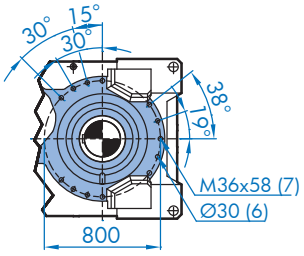
			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 14407	NEMA	254/256 TC	885	350	215.9	184.15	38	4	4 x 1/2-13	45	220	143 / 173
		284/286 TC	885	350	266.7	228.6	38	4	4 x 1/2-13	45	220	143 / 173
		324/326 TC	896	400	317.5	279.4	51	4	4 x 5/8-11	45	265	154 / 184
		364/365 TC	926	450	317.5	279.4	52	4	4 x 5/8-11	45	280	184 / 214
		404/405 TC	940	550	317.5	279.4	70	6	4 x 5/8-11	45	330	198 / 228
		444/445 TC	972	550	406.4	355.6	102	6	4 x 5/8-11	45	330	230 / 260
		447/449 TC	967	660	406.4	355.6	67	6	4 x 5/8-11	45	330	225 / 255
SK 14507	NEMA	254/256 TC	794	350	215.9	184.15	38	4	4 x 1/2-13	45	220	142
		284/286 TC	794	350	266.7	228.6	38	4	4 x 1/2-13	45	220	142
		324/326 TC	805	400	317.5	279.4	51	4	4 x 5/8-11	45	265	153
		364/365 TC	835	450	317.5	279.4	52	4	4 x 5/8-11	45	280	183
		404/405 TC	849	550	317.5	279.4	70	6	4 x 5/8-11	45	330	197
		444/445 TC	881	550	406.4	355.6	102	6	4 x 5/8-11	45	330	229
		447/449 TC	876	660	406.4	355.6	67	6	4 x 5/8-11	45	330	224

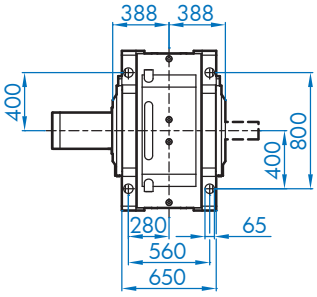


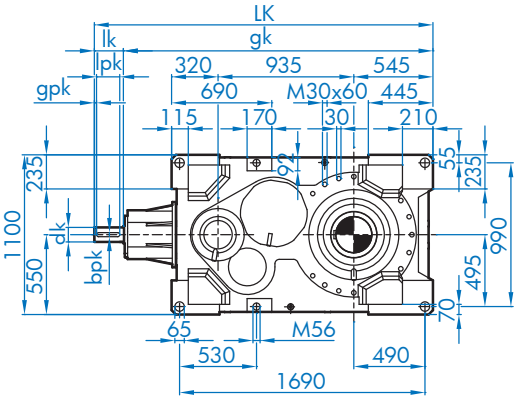
SK 15407/15507 V

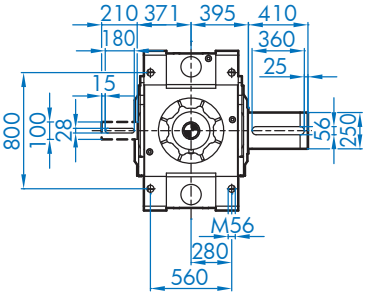




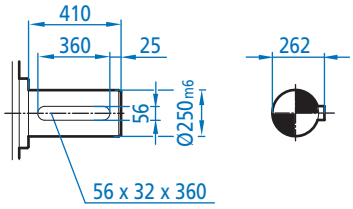




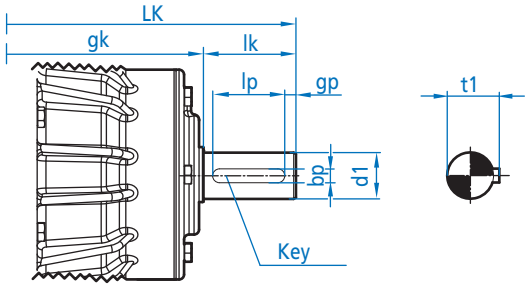




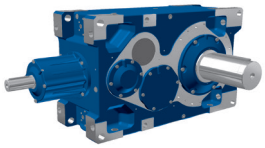
SK 15407/15507 V - Output Shaft Detail



SK 15407/15507 V - Input Shaft Detail

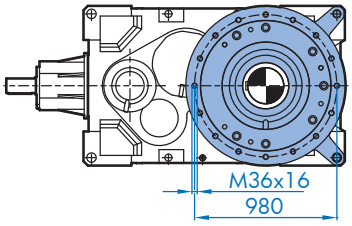


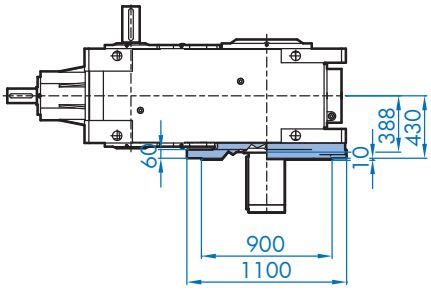
Bevel Input	Ratio	LK	gk	Ødk	t1	lk	lpk	bpk	gpk	key
SK 15407	12.6 - 45	2332	2132	100	106.0	200	180	28	15.0	28 x 16 x 180
	50 - 71	2302	2132	80	85.0	170	140	22	15.0	22 x 14 x 140
SK 15507	80 - 400	2192	2052	70	74.5	140	125	20	7.5	20 x 12 x 125



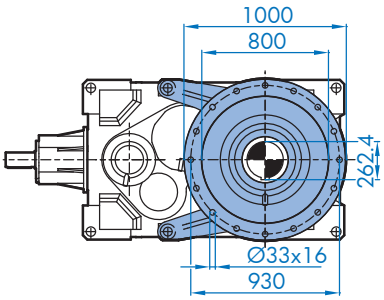
Right-Angle Drives
SK 15407 VF / SK 15507 VF

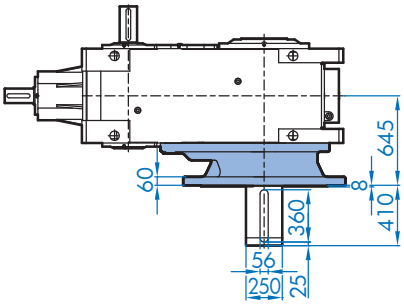
SK 15407/15507 VF



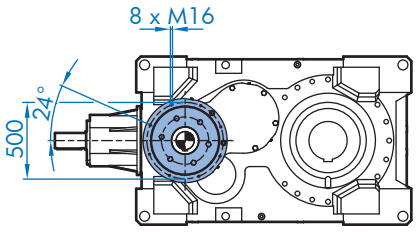


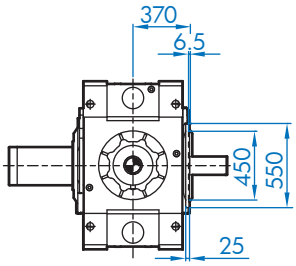
SK 15407/15507 VL2/VL3/VL4



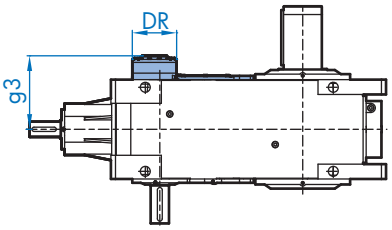


SK 15407/15507 F1 - Input Flange



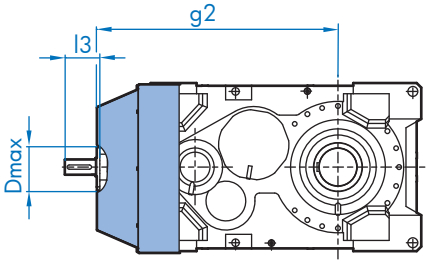


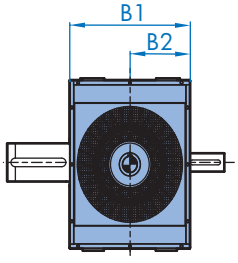
SK 15407/15507 R - Backstop



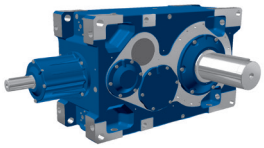
R	i_N	DR	g3
SK15407	12.6 - 71	400	510
SK15507	80 - 400	290	485

SK 15407/15507 FAN

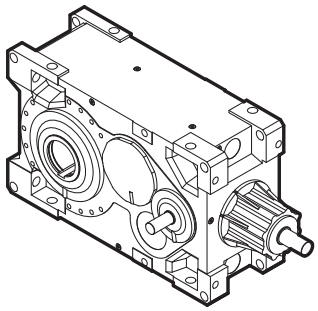


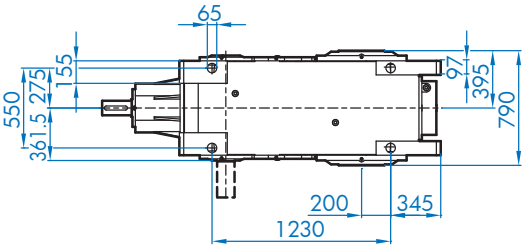


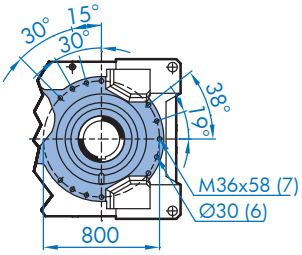
FAN	i_N	B1	B2	g2	l3	Dmax
SK15407	12.6 - 45	814	407	1665	160	Ø 250
	50 - 71	814	407	1665	130	Ø 250
SK15507	80 - 400	814	407	1585	100	Ø 250

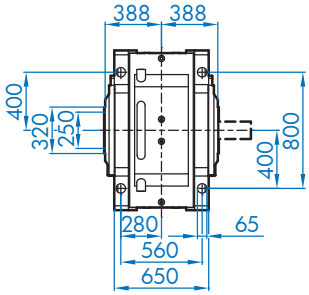


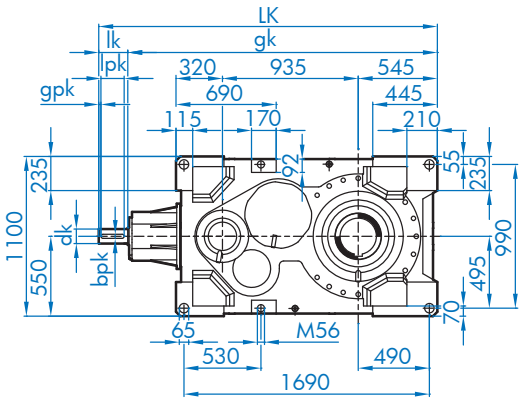
SK 15407/15507 A

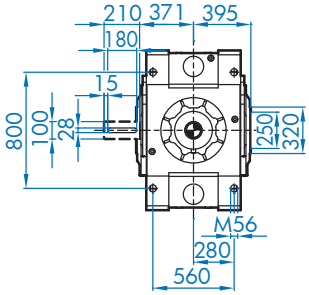




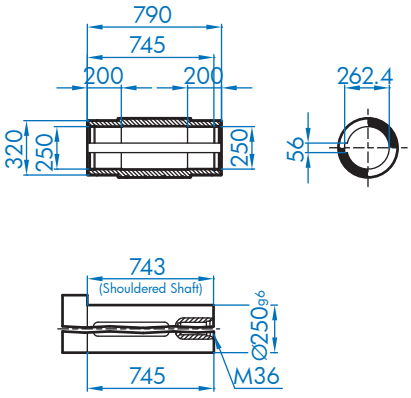






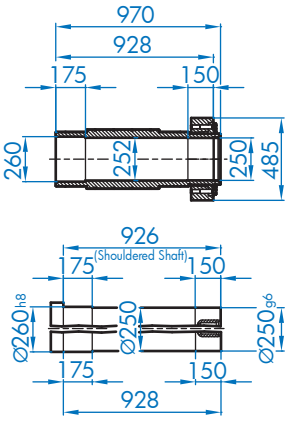


SK 15407/15507 A



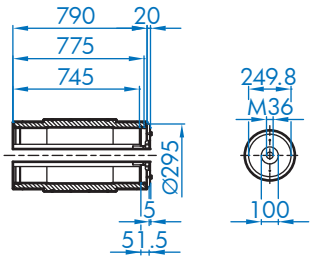
customer shaft recommendation

SK 15407/15507 AS

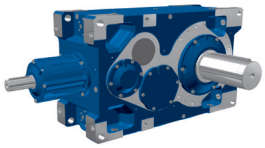


customer shaft recommendation

SK 15407/15507 - AB

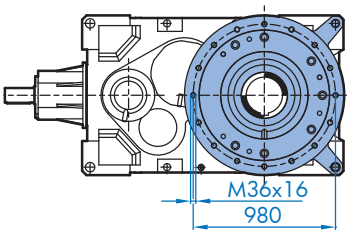


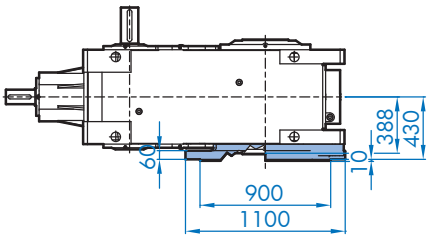
Bevel Input	Ratio	LK	gk	Ødk	lk	lpk	bpk	gpk	key
SK 15407	12.6 - 45	2332	2132	100	200	180	28	15.0	28 x 16 x 180
	50 - 71	2302	2132	80	170	140	22	15.0	22 x 14 x 140
SK 15507	80 - 400	2192	2052	70	140	125	20	7.5	20 x 12 x 125



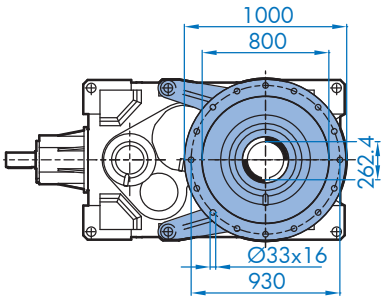
Right-Angle Drives
SK 15407 AF / SK 15507 AF

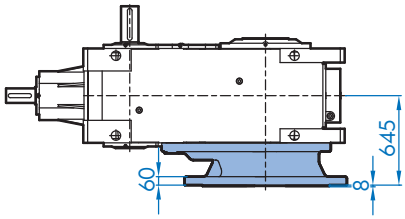
SK 15407/15507 AF



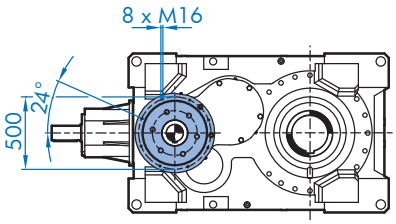


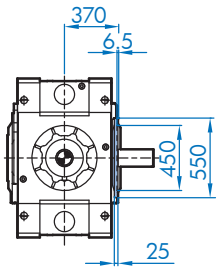
SK 15407/15507 VL2/VL3/VL4



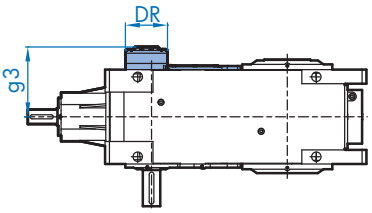


SK 15407/15507 F1 - Input Flange



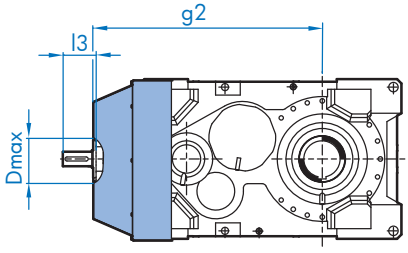


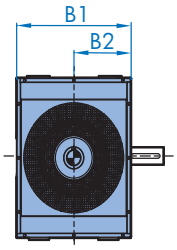
SK 15407/15507 R - Backstop



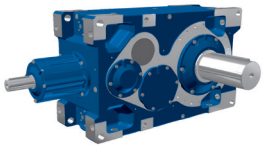
R	i_N	DR	g3
SK15407	12.6 - 71	400	510
SK15507	80 - 400	290	485

SK 15407/15507 FAN



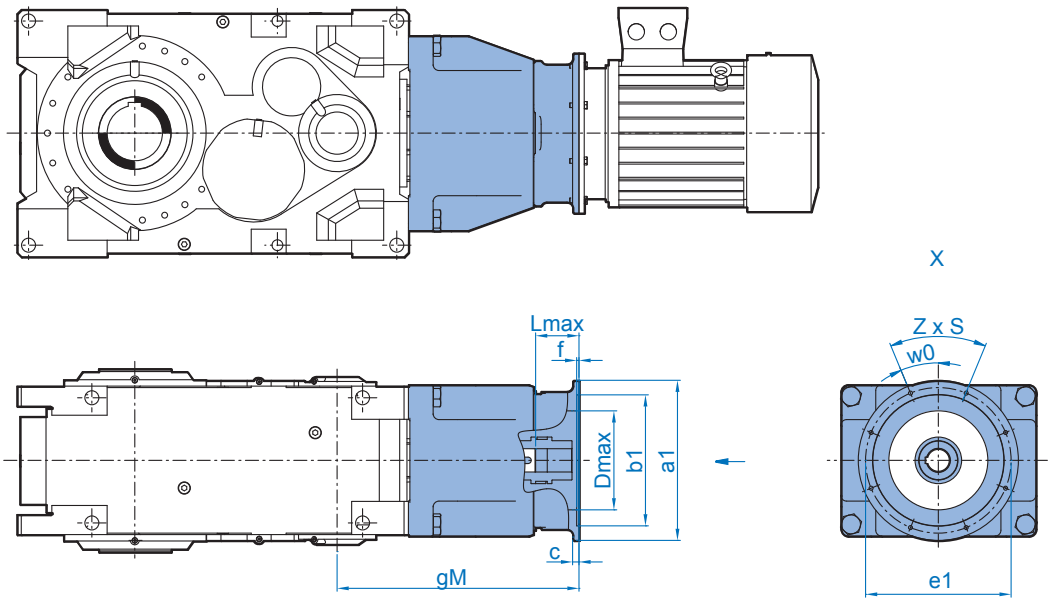


FAN	i_N	B1	B2	g2	l3	Dmax
SK15407	12.6 - 45	814	407	1665	160	Ø 250
	50 - 71	814	407	1665	130	Ø 250
SK15507	80 - 400	814	407	1585	100	Ø2 50

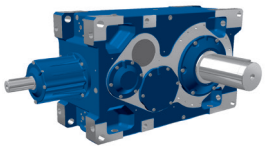


DRIVESYSTEMS

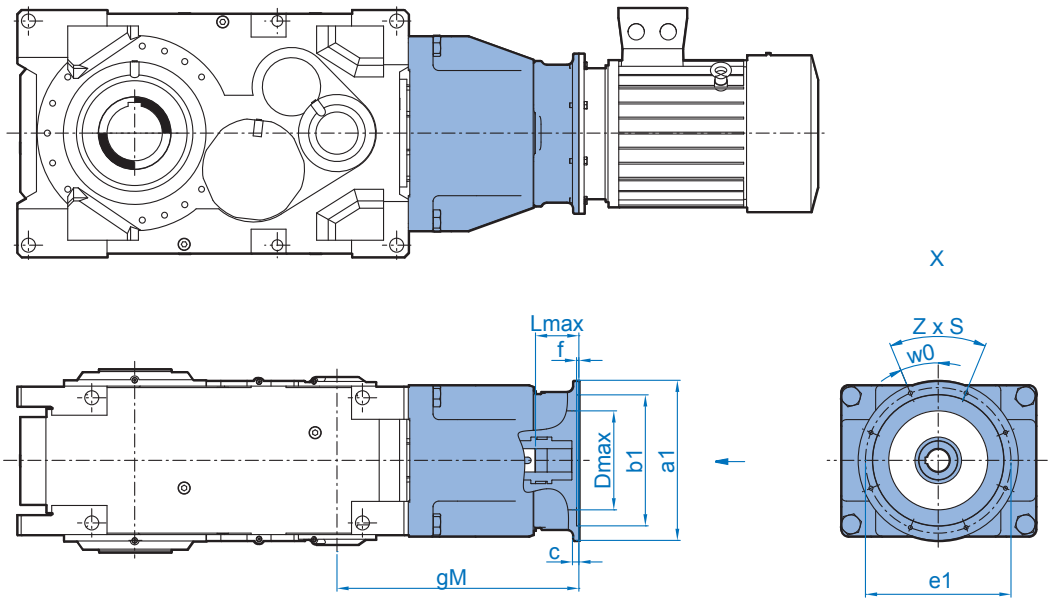
SK 15407 - SK 15507



			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 15407	NEMA	254/256 TC	995	350	215.9	184.15	38	4	4 x 1/2-13	45	220	143 / 173
		284/286 TC	995	350	266.7	228.6	38	4	4 x 1/2-13	45	220	143 / 173
		324/326 TC	1006	400	317.5	279.4	51	4	4 x 5/8-11	45	265	154 / 184
		364/365 TC	1036	450	317.5	279.4	52	4	4 x 5/8-11	45	280	184 / 214
		404/405 TC	1050	550	317.5	279.4	70	6	4 x 5/8-11	45	330	198 / 228
		444/445 TC	1082	550	406.4	355.6	102	6	4 x 5/8-11	45	330	230 / 260
		447/449 TC	1077	660	406.4	355.6	67	6	4 x 5/8-11	45	330	225 / 255
SK 15507	NEMA	254/256 TC	855	350	215.9	184.15	38	4	4 x 1/2-13	45	220	143
		284/286 TC	855	350	266.7	228.6	38	4	4 x 1/2-13	45	220	143
		324/326 TC	866	400	317.5	279.4	51	4	4 x 5/8-11	45	265	154
		364/365 TC	896	450	317.5	279.4	52	4	4 x 5/8-11	45	280	184
		404/405 TC	910	550	317.5	279.4	70	6	4 x 5/8-11	45	330	198
		444/445 TC	942	550	406.4	355.6	102	6	4 x 5/8-11	45	330	230
		447/449 TC	937	660	406.4	355.6	67	6	4 x 5/8-11	45	330	225



SK 15407 - SK 15507

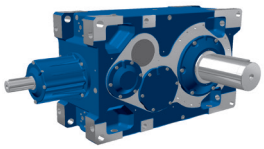


			gM	a1	b1	e1	c	f	z x s	w0°	Dmax	Lmax
SK 15407	IEC	160	972	350	250	300	15	6.5	4 x 17.5	45.0	228	120 / 150
		180	972	350	250	300	15	6.5	4 x 17.5	45.0	228	120 / 150
		200	972	400	300	350	17	6.5	4 x 17.5	45.0	276	120 / 150
		225	1002	450	350	400	18	6.5	8 x 17.5	22.5	290	150 / 180
		250	1002	550	450	500	22	8.0	8 x M16	22.5	340	150 / 180
		280	1002	550	450	500	22	8.0	8 x M16	22.5	340	150 / 180
		315	1032	660	550	600	22	8.0	8 x 22	22.5	340	180 / 210
	TN [2]	315T	1032	800	680	740	25	8.0	8 x 22	22.5	340	180 / 210
		355T	1032	900	780	840	25	8.0	8 x 22	22.5	340	180 / 210
SK 15507	IEC	160	832	350	250	300	15	6.5	4 x 17.5	45.0	228	120
		180	832	350	250	300	15	6.5	4 x 17.5	45.0	228	120
		200	832	400	300	350	17	6.5	4 x 17.5	45.0	276	120
		225	862	450	350	400	18	6.5	8 x 17.5	22.5	290	150
		250	862	550	450	500	22	8.0	8 x M16	22.5	340	150
		280	862	550	450	500	22	8.0	8 x M16	22.5	340	150
		315	892	660	550	600	22	8.0	8 x 22	22.5	340	180
	TN [2]	315T	892	800	680	740	25	8.0	8 x 22	22.5	340	180
		355T	892	900	780	840	25	8.0	8 x 22	22.5	340	180

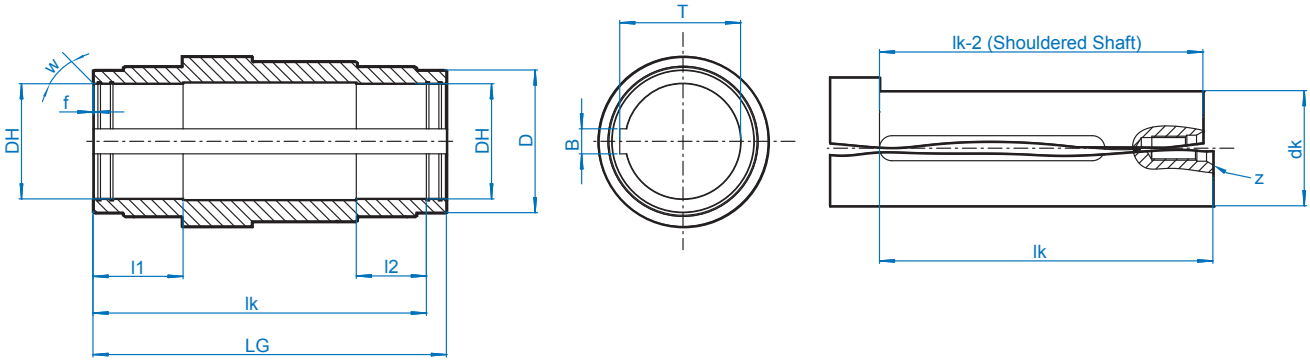
[1] **Type designation and dimensions up to 200kW correspond to NORD motors**

[2] **Data for Transnorm motors available on request**

A - Keyed Hollow Shaft
AVL2/3/4 - Agitator & Drywell Hollow Shaft



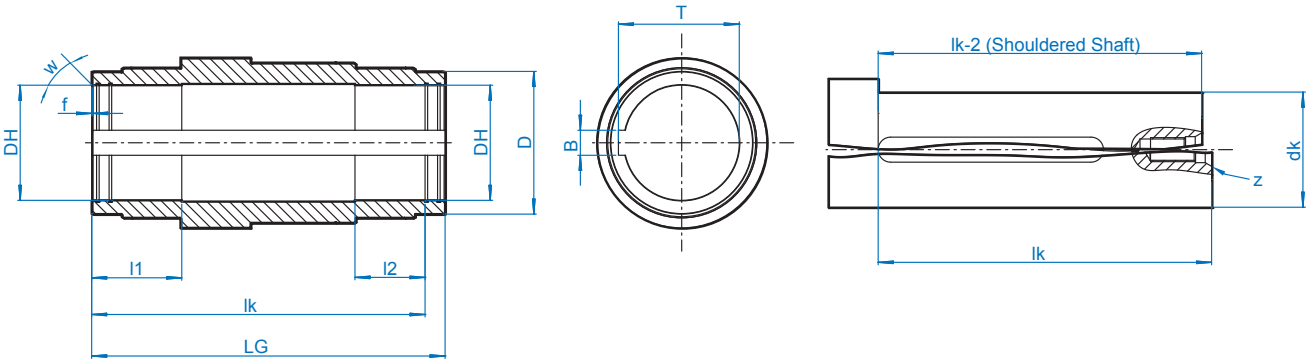
A - Keyed Hollow Shaft & Customer Shaft Detail



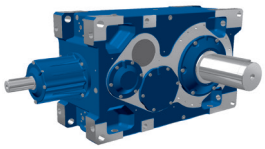
	DH	LG	dk	lk	lk-2	l1	l2	D	f	w	B	T	z
SK 7..07	ø 125 H7	394	ø 125 h6	359	357	100	65	ø 160	2	30	32	132.4	M24
SK 8..07	ø 125 H7	394	ø 125 h6	359	357	100	65	ø 160	2	30	32	132.4	M24
SK 9..07	ø 160 H7	506	ø 160 h6	486	484	130	110	ø 220	2	30	40	169.4	M30
SK 10..07	ø 160 H7	506	ø 160 h6	486	484	130	110	ø 220	2	30	40	169.4	M30
SK 11..07	ø 170 H7	560	ø 170 h6	525	523	140	105	ø 240	2	30	40	179.4	M30
SK 12..07	ø 190 H7	630	ø 190 h6	595	593	160	125	ø 250	2	30	45	200.4	M30
SK 13..07	ø 230 H7	706	ø 230 h6	666	664	180	140	ø 285	2	30	50	241.4	M36
SK 14..07	ø 230 H7	766	ø 230 h6	726	724	180	140	ø 285	2	30	50	241.4	M36
SK 15..07	ø 250 H7	790	ø 250 h6	745	743	200	155	ø 320	2	30	56	262.4	M36

For Tolerance Info see ⇨ 56

AVL2/3/4 - Agitator & Drywell - Hollow Shaft

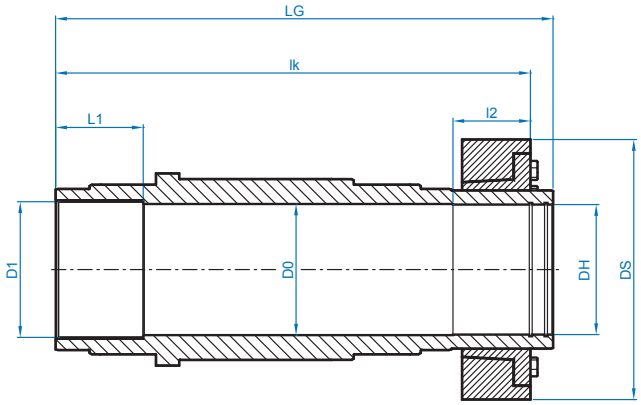


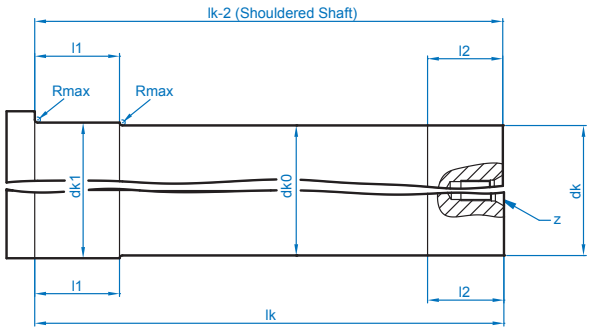
	DH	LG	dk	lk	lk-2	l1	l2	D	f	w	B	T	z
SK 7..07	ø 125 H7	682	ø 125 h6	647	645	100	80	ø 160	2	30	32	132.4	M24
SK 8..07	ø 125 H7	682	ø 125 h6	647	645	100	80	ø 160	2	30	32	132.4	M24
SK 9..07	ø 160 H7	770.5	ø 160 h6	745.5	743.5	110	80	ø 220	2	30	40	169.4	M30
SK 10..07	ø 160 H7	770.5	ø 160 h6	745.5	743.5	110	80	ø 220	2	30	40	169.4	M30
SK 11..07	ø 160 H7	730	ø 170 g6	695	693	140	105	ø 240	2	30	40	179.4	M30
SK 12..07	ø 190 H7	800	ø 190 h6	765	763	160	125	ø 250	2	30	45	200.4	M30
SK 13..07	ø 230 H7	896	ø 230 h6	856	854	180	140	ø 285	2	30	50	241.4	M36
SK 14..07	ø 230 H7	956	ø 230 h6	916	914	180	140	ø 285	2	30	50	241.4	M36
SK 15..07	ø 250 H7	1040	ø 250 h6	995	993	200	155	ø 320	2	30	56	262.4	M36



AS - Shrink Disc with Hollow Shaft
ASVL2/3 - Agitator & Drywell Hollow Shaft with Shrink Disc

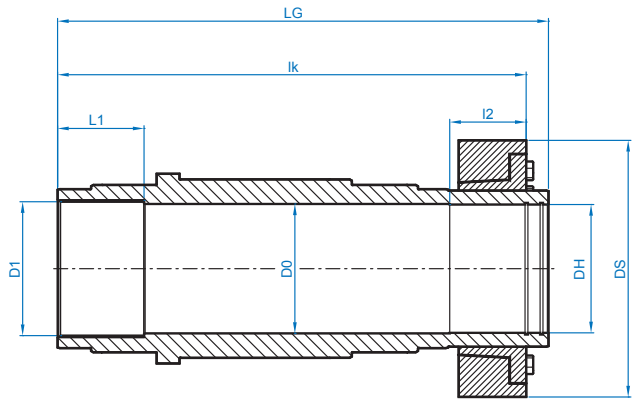
AS - Shrink Disc Hollow Shaft

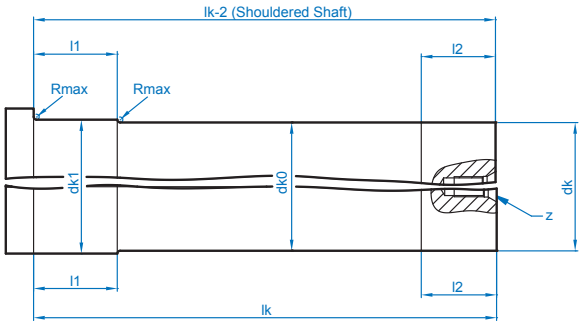




	DH	D0	D1	L1	DS	LG	dk1	dk0	dk	lk	lk-2	l1	l2	Rmax	z
SK 7..07	ø 125 H7	ø 125.5	ø 125	90	ø 290	484	ø 125 h8	ø 125	ø 125 h6	465	463	100	65	3	M24
SK 8..07	ø 125 H7	ø 125.5	ø 125	90	ø 290	484	ø 125 h8	ø 125	ø 125 h6	465	463	100	65	3	M24
SK 9..07	ø 160 H7	ø 160.5	ø 160	110	ø 320	628	ø 160 h8	ø 160	ø 160 h6	596	594	110	85	3	M30
SK 10..07	ø 160 H7	ø 160.5	ø 160	110	ø 320	628	ø 160 h8	ø 160	ø 160 h6	596	594	110	85	3	M30
SK 11..07	ø 170 H7	ø 172	ø 180	125	ø 370	690	ø 180 h8	ø 170	ø 170 g6	658	656	125	105	5	M30
SK 12..07	ø 190 H7	ø 192	ø 200	135	ø 405	770	ø 200 h8	ø 190	ø 190 g6	736	734	130	120	5	M30
SK 13..07	ø 230 H7	ø 232	ø 240	155	ø 460	880	ø 240 h8	ø 230	ø 230 g6	838	836	150	135	5	M36
SK 14..07	ø 230 H7	ø 232	ø 240	155	ø 460	940	ø 240 h8	ø 230	ø 230 g6	898	896	150	135	5	M36
SK 15..07	ø 250 H7	ø 252	ø 260	175	ø 485	970	ø 260 h8	ø 250	ø 250 g6	928	926	175	150	5	M36

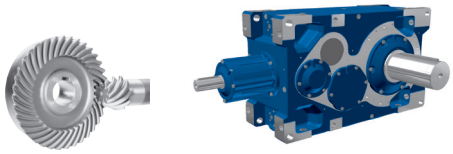
ASVL2/3/4 - Agitator & Drywell - Hollow Shaft with Shrink Disc



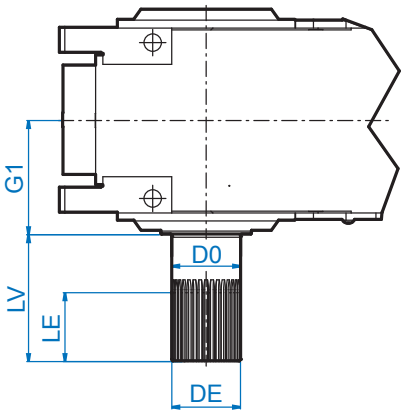


	DH	D0	D1	L1	DS	LG	dk1	dk0	dk	lk	lk2	l1	l2	Rmax	z
SK 7..07	ø 125 H7	ø 125.5	ø 125	90	ø 300	733	ø 125 h8	ø 125	ø 125 h6	713	711	100	65	3	M24
SK 8..07	ø 125 H7	ø 125.5	ø 125	90	ø 300	733	ø 125 h8	ø 125	ø 125 h6	713	711	100	65	3	M24
SK 9..07	ø 160 H7	ø 160.5	ø 160	110	ø 320	889.5	ø 160 h8	ø 160	ø 160 h6	854.5	852.5	110	82	3	M30
SK 10..07	ø 160 H7	ø 160.5	ø 160	110	ø 320	889.5	ø 160 h8	ø 160	ø 160 h6	854.5	852.5	110	82	3	M30
SK 11..07	ø 170 H7	ø 172	ø 180	125	ø 370	860	ø 180 h8	ø 170	ø 170 g6	828	826	125	105	5	M30
SK 12..07	ø 190 H7	ø 192	ø 200	135	ø 405	940	ø 200 h8	ø 190	ø 190 g6	906	904	130	120	5	M30
SK 13..07	ø 230 H7	ø 232	ø 240	155	ø 460	1070	ø 240 h8	ø 230	ø 230 g6	1028	1026	155	135	5	M36
SK 14..07	ø 230 H7	ø 232	ø 240	155	ø 460	1130	ø 240 h8	ø 230	ø 230 g6	1088	1086	155	135	5	M36
SK 15..07	ø 250 H7	ø 252	ø 260	175	ø 485	1220	ø 260 h8	ø 250	ø 250 g6	1178	1176	170	150	5	M36

For Tolerance info see ⇨ 56

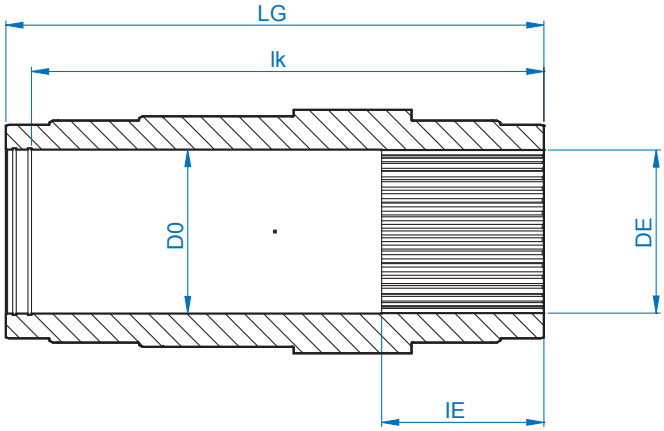


EV - Splined Solid Shaft

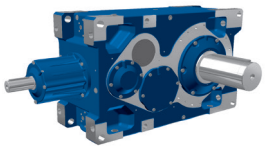


	DE	LE	G1	LV	D0
SK 7..07	W 130 x 5 x 30 x 24 - DIN 5480	85	197	250	ø 130
SK 8..07	W 130 x 5 x 30 x 24 - DIN 5480	85	197	250	ø 130
SK 9..07	W 140 x 3 x 30 x 45 - DIN 5480	100	253	300	ø 140
SK 10..07	W 140 x 3 x 30 x 45 - DIN 5480	100	253	300	ø 140
SK 11..07	W 170 x 5 x 30 x 32 - DIN 5480	160	280	300	ø 170
SK 12..07	W 190 x 5 x 30 x 36 - DIN 5480	190	315	350	ø 190
SK 13..07	W 220 x 5 x 30 x 42 - DIN 5480	215	353	410	ø 220
SK 14..07	W 220 x 5 x 30 x 42 - DIN 5480	215	353	410	ø 220
SK 15..07	W 250 x 5 x 30 x 48 - DIN 5480	245	395	410	ø 250

EA - Splined Hollow Shaft

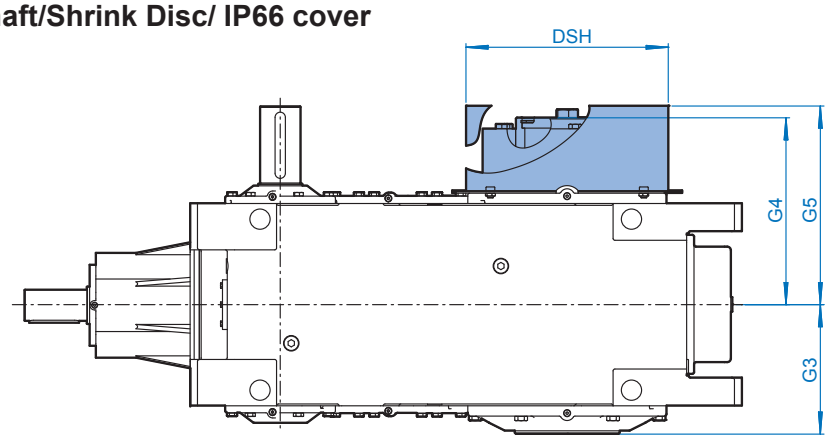


	DE	LE	LG	D0	lk
SK 7..07	N 130 x 5 x 30 x 24 - DIN 5480	85	394	ø 130	374
SK 8..07	N 130 x 5 x 30 x 24 - DIN 5480	85	394	ø 130	374
SK 9..07	N 140 x 3 x 30 x 45 - DIN 5480	100	506	ø 140	476
SK 10..07	N 140 x 3 x 30 x 45 - DIN 5480	100	506	ø 140	476
SK 11..07	N 170 x 5 x 30 x 32 - DIN 5480	160	560	ø 170	525
SK 12..07	N 190 x 5 x 30 x 36 - DIN 5480	190	630	ø 190	595
SK 13..07	N 220 x 5 x 30 x 42 - DIN 5480	215	706	ø 220	666
SK 14..07	N 220 x 5 x 30 x 42 - DIN 5480	215	706	ø 220	666
SK 15..07	N 250 x 5 x 30 x 48 - DIN 5480	245	790	ø 250	745



H/H66 - Hollow Shaft/Shrink Disc/IP66 Cover B - Fixing Kit

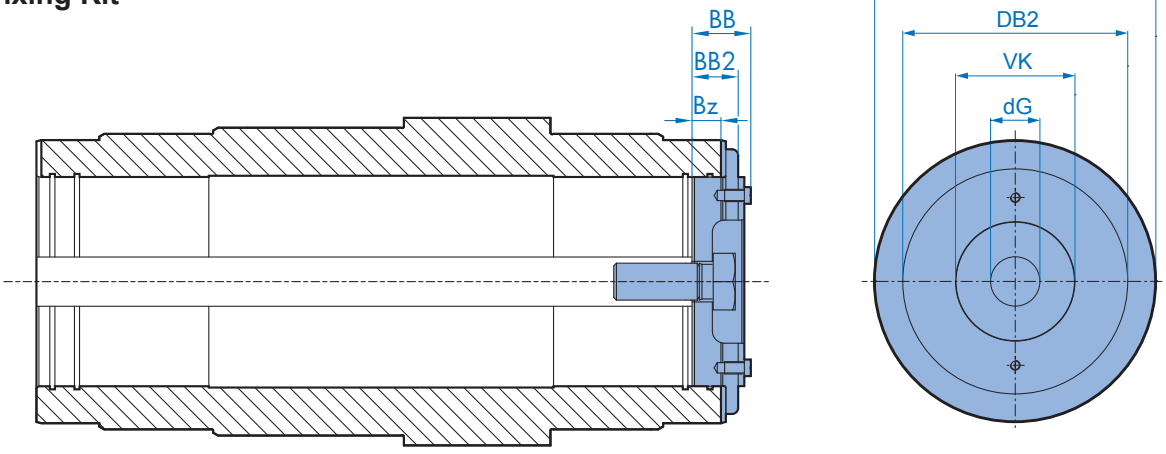
H/H66 - Hollow Shaft/Shrink Disc/ IP66 cover



	DSH	G3	G4	G5
SK 7..07	ø 319	199	286	308
SK 8..07	ø 319	199	286	308
SK 9..07	ø 453	253	373	393
SK 10..07	ø 453	253	373	393
SK 11..07	ø 460	280	410	440
SK 12..07	ø 500	315	455	480
SK 13..07	ø 550	353	527	555
SK 14..07	ø 550	383	557	585
SK 15..07	ø 630	395	575	605

Other cover sizes available upon request

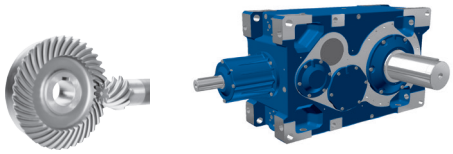
B - Fixing Kit



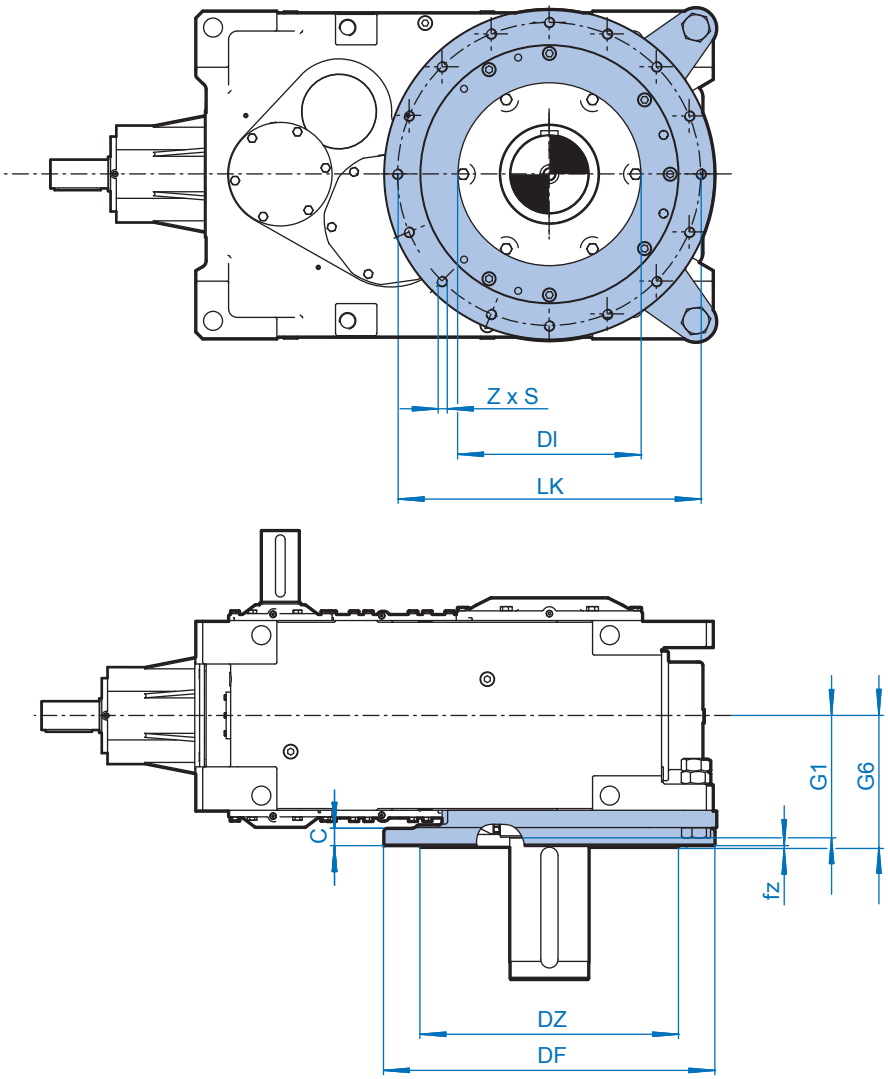
	DB	DB2	VK	BB	BB2	Bz	dG
SK 7..07	ø 155	ø 124.8	ø 49	27.0	22.0	10.0	ø 26 (M24)
SK 8..07	ø 155	ø 124.8	ø 49	27.0	22.0	10.0	ø 26 (M24)
SK 9..07	ø 215	ø 159.8	ø 100	42.5	27.5	15.5	ø 33 (M30)
SK 10..07	ø 215	ø 159.8	ø 100	42.5	27.5	15.5	ø 33 (M30)
SK 11..07	ø 215	ø 169.8	ø 100	42.5	37.5	27.5	ø 33 (M30)
SK 12..07	ø 235	ø 189.8	ø 100	44.5	39.5	29.5	ø 33 (M30)
SK 13..07	ø 275	ø 229.8	ø 100	56.5	51.5	36.5	ø 52 (M48)
SK 14..07	ø 275	ø 229.8	ø 100	56.5	51.5	36.5	ø 52 (M48)
SK 15..07	ø 295	ø 249.8	ø 100	56.5	51.5	36.5	ø 52 (M48)

Other sizes available upon request

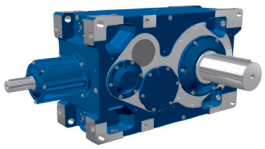
For Tolerance Info sSee 56



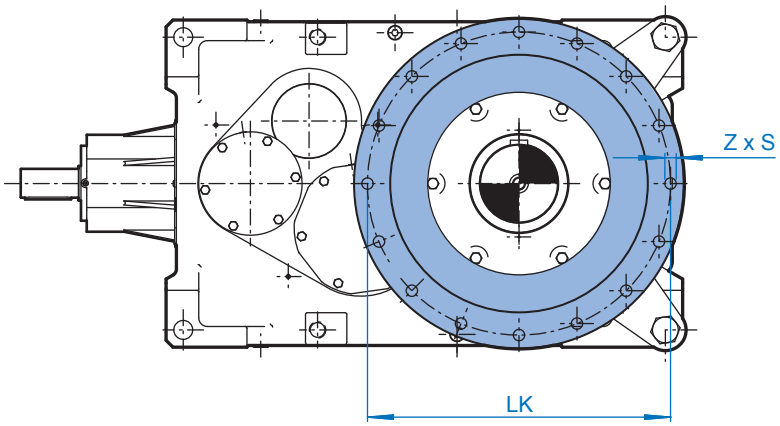
F - Low Output Flange

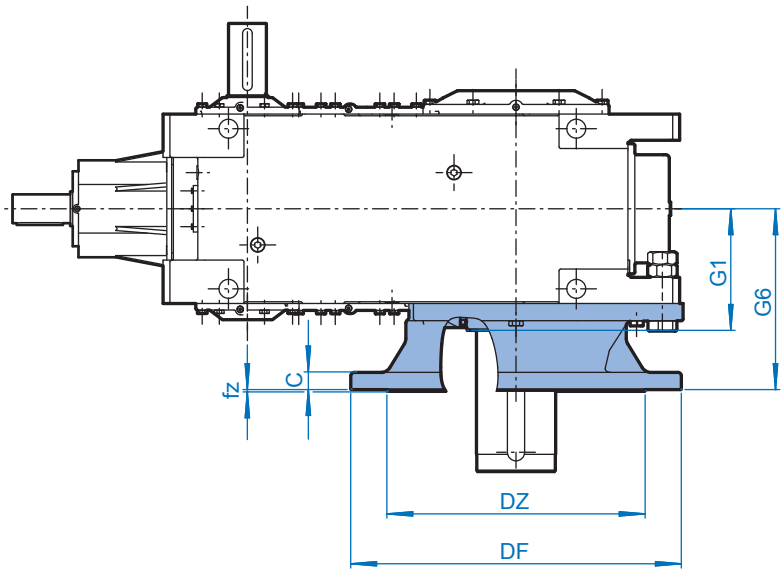


	DF	G1	G6	LK	DZ	DI	c	fz	z	s
SK 7..07	550	197	242	500	450	308	28	5	8	M16
SK 8..07	550	197	242	500	450	308	28	5	8	M16
SK 9..07	660	253	297.5	600	550	434	35	8	8	M24
SK 10..07	660	253	297.5	600	550	434	35	8	8	M24
SK 11..07	730	280	300	680	580	420	40	5	12	M24
SK 12..07	840	315	345	760	650	470	50	5	12	M30
SK 13..07	960	353	375	880	750	530	50	5	16	M30
SK 14..07	960	383	405	880	750	530	50	5	16	M30
SK 15..07	1100	395	440	980	900	600	60	10	16	M36

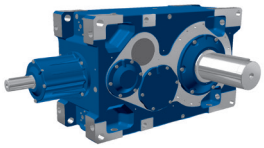


FK - High Output Flange

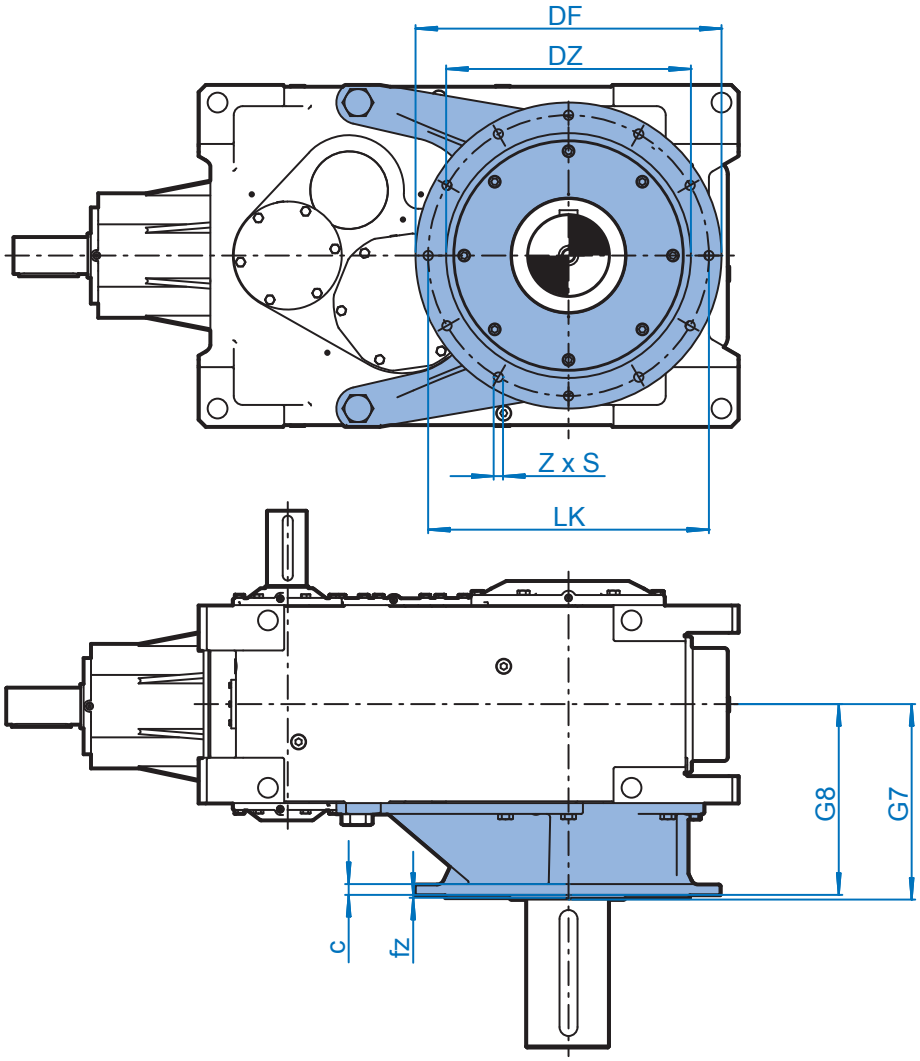




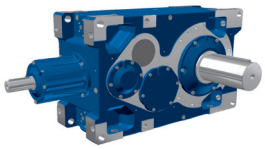
	DF	G1	G6	LK	DZ	DI	c	fz	z	s
SK 7..07	550	197	237	500	450	308	28	5	8	17.5
SK 8..07	550	197	237	500	450	308	28	5	8	17.5
SK 9..07	660	253	297.5	600	550	434	35	8	8	26
SK 10..07	660	253	297.5	600	550	434	35	8	8	26
SK 11..07	730	280	420	680	580	420	40	5	12	26
SK 12..07	840	315	470	760	650	470	50	5	12	33
SK 13..07	960	353	525	880	750	530	50	5	16	33
SK 14..07	---	---	---	---	---	---	---	---	---	---
SK 15..07	---	---	---	---	---	---	---	---	---	---



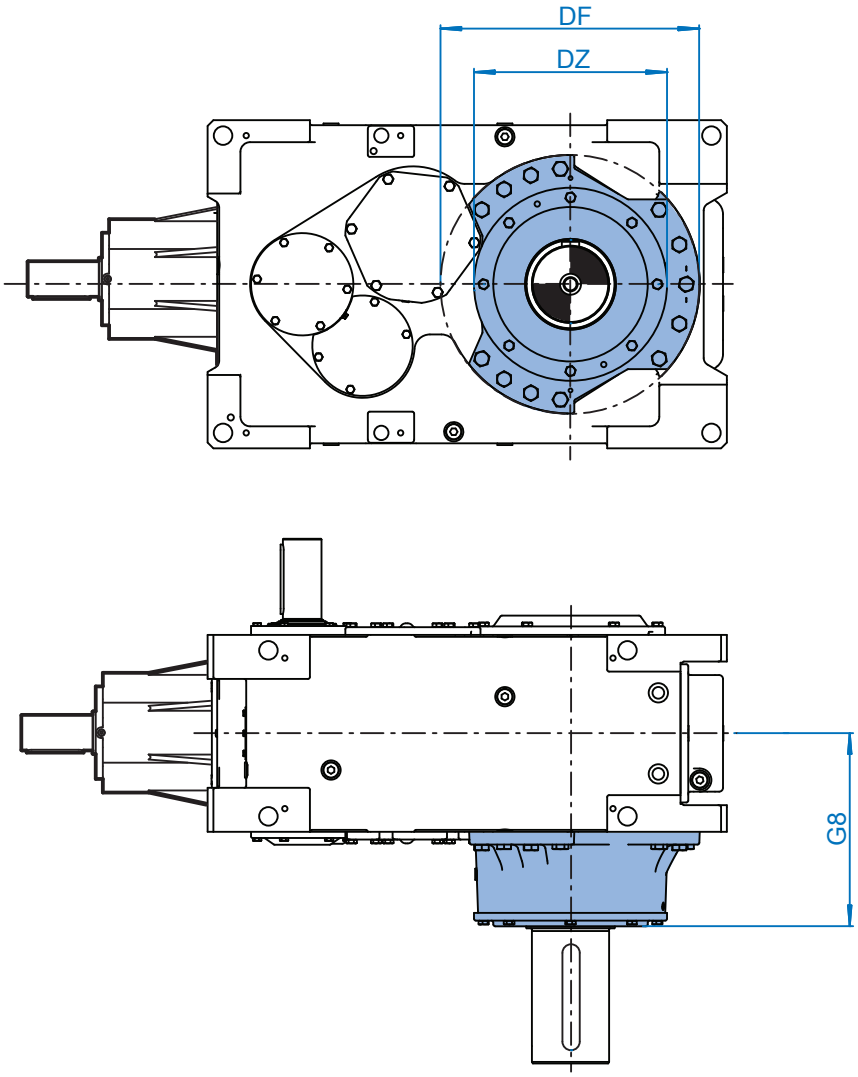
FVL2/FVL3/FVL4 - Agitator & Drywell Flange



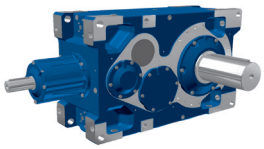
	G7	G8	DF	DZ	LK	fz	c	z	s
SK 7..07	485	477	660	550	600	6	28.5	8	22
SK 8..07	485	477	660	550	600	6	28.5	8	22
SK 9..07	517.5	509.5	660	550	600	8	35	8	26
SK 10..07	517.5	509.5	660	550	600	8	35	8	26
SK 11..07	450	440	675	540	620	5	40	10	22
	465	455	760	600	700	5	50	12	22
SK 12..07	485	470	760	600	700	5	50	12	22
SK 13..07	543	530	850	680	780	5	50	12	26
SK 14..07	575	560	850	680	780	5	50	12	26
SK 15..07	645	630	1000	800	930	8	60	16	33



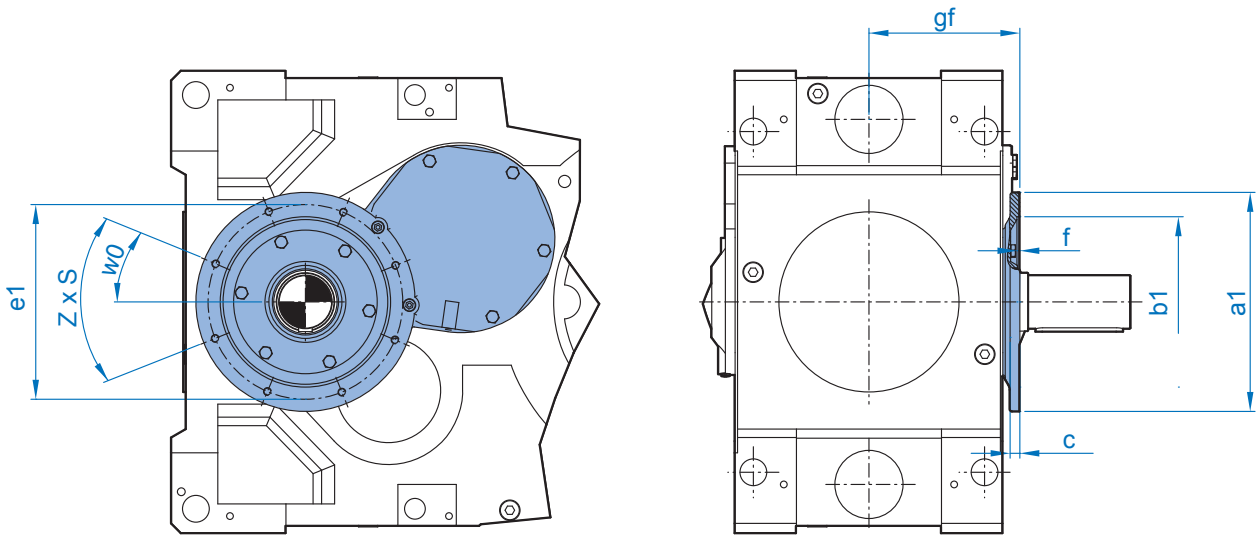
VL6 - Agitator Without Flange



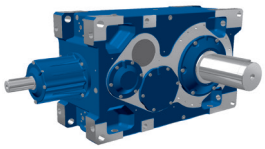
	G8	DF	DZ
SK 7..07	478	-	408
SK 8..07	478	-	408
SK 9..07	513.5	550	420
SK 10..07	513.5	550	420
SK 11..07	435.7	600	470
SK 12..07	501.7	669.5	500
SK 13..07	517	759.3	550
SK 14..07	547	759.3	550
SK 15..07	642	870	550



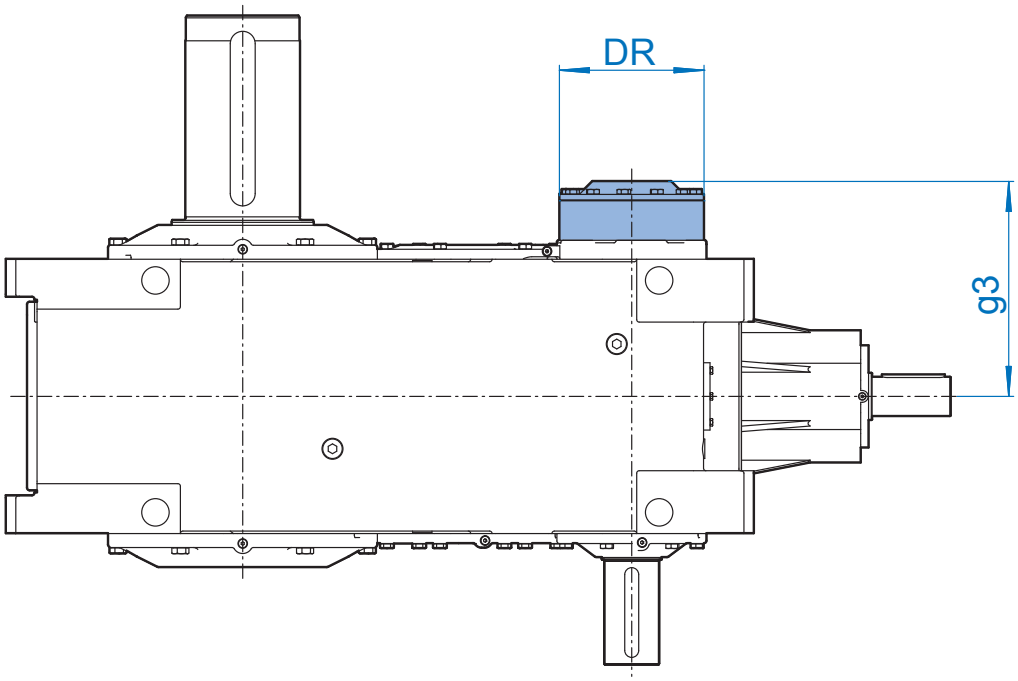
F1 - Input Flange



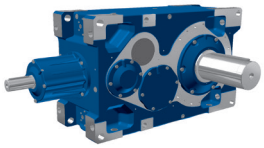
	gf	a1	b1	e1	c	f	w0°	z x s
SK 7..07	203.5	350	250	300	20	6.0	22.5	8 x M16
SK 8..07	203.5	350	250	300	20	6.0	22.5	8 x M16
SK 9..07	236	350	250	300	20	6.0	22.5	8 x M16
SK 10..07	236	350	250	300	20	6.0	22.5	8 x M16
SK 11..07	255	450	350	400	20	6.5	22.5 / 27.5	8 x M16
SK 12..07	290	550	450	500	25	6.5	21.5	8 x M16
SK 13..07	310	550	450	500	25	6.5	23.0	8 x M16
SK 14..07	Available Upon Request							
SK 15..07	370	550	450	500	25	6.5	24.0	8 x M16



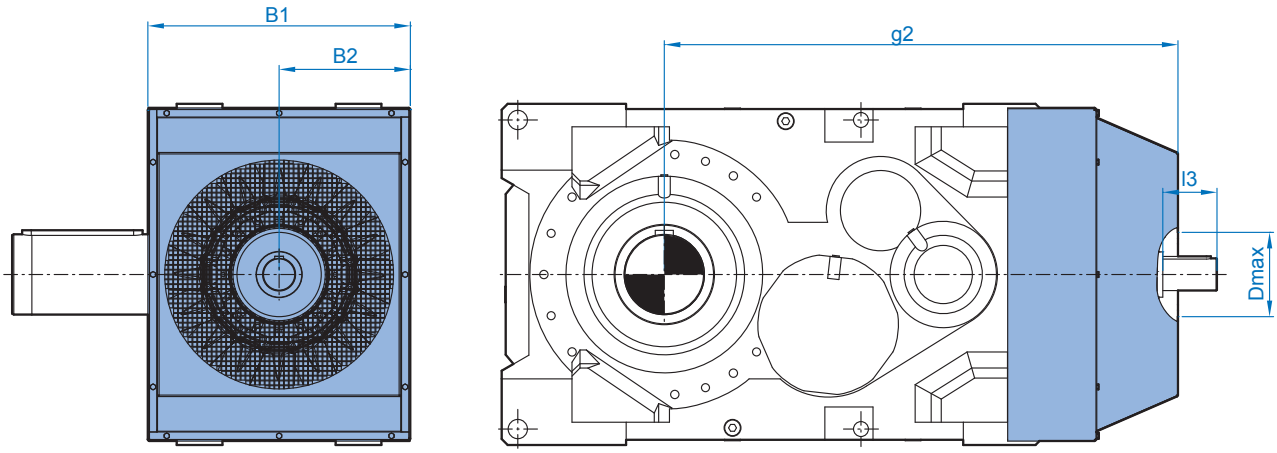
R - Backstop



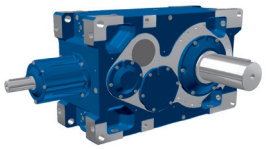
	i_N - Ratio	DR	g3
SK 7407	18 - 100	190	295
SK 7507	112 - 400	175	288
SK 8407	20 - 112	190	295
SK 8507	125 - 450	175	288
SK 9407	18 - 100	210	329.5
SK 9507	112 - 400	190	326.5
SK 10407	20 - 112	210	329.5
SK 10507	125 - 450	190	326.5
SK 11407	11.2 - 80	245	360
SK 11507	112 - 400	190	340
	80 - 100	210	350
SK 12407	112.6 - 71	290	415
SK 12507	80 - 400	210	385
SK 13407	12.6 - 71	290	431
SK 13507	80 - 400	210	416.5
SK 14407	20 - 90	290	465
SK 14507	111 - 400	210	445
SK 15407	12.6 - 71	400	510
SK 15507	80 - 400	290	485



FAN - Fan

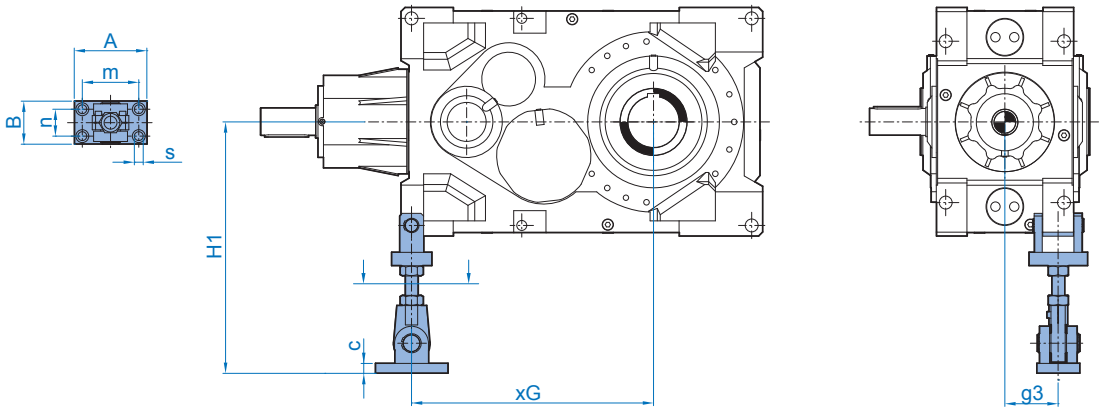


FAN	i_N	B1	B2	g2	l3	Dmax
SK 7407	18 - 50	438	219	848.5	74	ø 140
	56 - 100				44	
SK 7507	112 - 400	438	219	796.5	24	ø 140
SK 8407	20 - 56	438	219	873.5	74	ø 140
	63 - 112				44	
SK 8507	125 - 450	438	219	821.5	44	ø 140
SK 9407	18 - 50	503	251.5	968.5	74	ø 140
	56 - 100				64	
SK 9507	112 - 400	503	251.5	938.5	44	ø 140
SK 10407	20 - 56	503	251.5	998.5	74	ø 140
	63 - 112				64	
SK 10507	125 - 450	503	251.5	978.5	44	ø 140
SK 11407	12.6 - 45	574	287	1125	100	ø 210
	50 - 71				70	
SK 11507	80 - 400	574	287	1050	70	ø 210
SK 12407	12.6 - 45	654	327	1280	135	ø 220
	50 - 71				105	
SK 12507	80 - 400	654	327	1190	75	ø 220
SK 13407	12.6 - 45	704	352	1425	135	ø 240
	50 - 71				105	
SK 13507	80 - 400	704	352	1365	105	ø 240
SK 14407	20 - 50	750	375	1485	135	ø 240
	55 - 90				105	
SK 14507	100 - 400	750	375	1485	105	ø 240
SK 15407	12.6 - 45	814	407	1665	160	ø 250
	50 - 71				130	
SK 15507	80 - 400	814	407	1585	100	ø 250



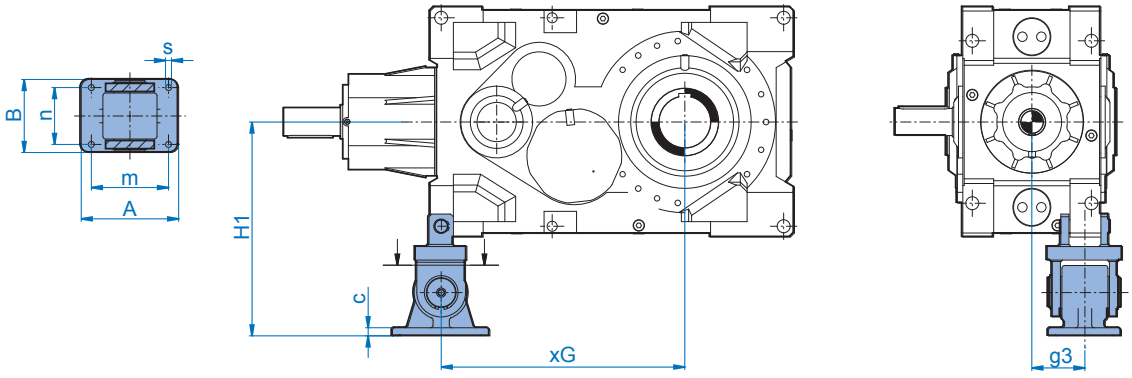
D - Torque Support
ED - Elastic Torque Support

D - Torque Support

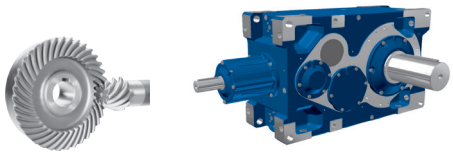


	H1max	H1min	xG	g3	c	A	B	m	n	s
SK 7..07	645	605	550	150.5	19	200	160	120	160	17.5
SK 8..07	675	635	575	150.5	19	200	160	120	160	17.5
SK 9..07	715	675	692.5	174	19	200	160	120	160	17.5
SK 10..07	750	710	722.5	174	19	200	160	120	160	17.5
SK 11..07	865	815	800	165	29	240	220	180	160	22
SK 12..07	935	885	900	195	29	290	250	220	180	26
SK 13..07	990	940	1005	210	29	290	250	220	180	26
SK 14..07	1080	1030	1060	240	39	330	300	250	220	33
SK 15..07	1120	1070	1200	247.5	39	330	300	250	220	33

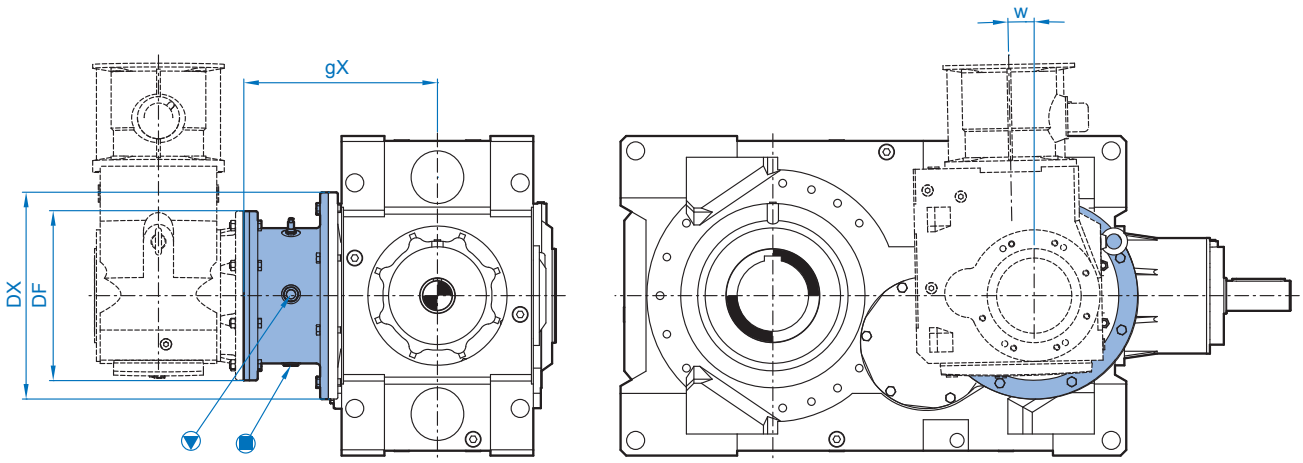
ED - Elastic Torque Support



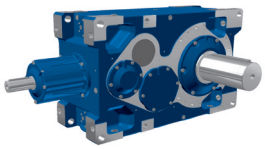
	H1	xG	g3	c	A	B	m	n	s
SK 7..07	490	550	150.5	21	200	160	160	120	22
SK 8..07	520	575	150.5	21	200	160	160	120	22
SK 9..07	655	692.5	174	25	260	200	190	140	22
SK 10..07	705	722.5	174	25	260	200	190	140	22
SK 11..07	740	800	167.5	30	360	270	285	210	22
SK 12..07	790	900	196	30	360	270	285	210	22
SK 13..07	890	1005	210	40	400	320	310	230	33
SK 14..07	940	1060	240	40	400	320	310	230	33
SK 15..07	980	1200	245.5	40	400	320	310	230	33



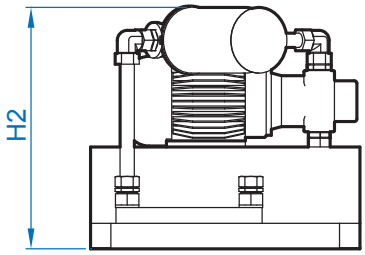
WX - Auxillary Drive

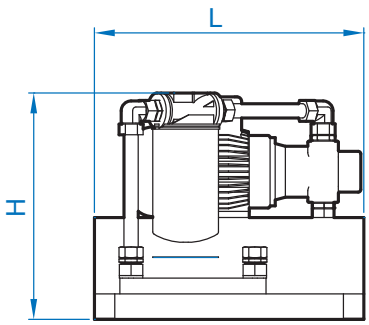


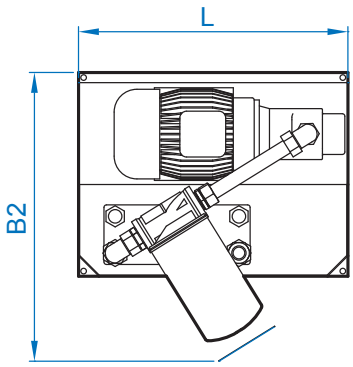
		DX	DF	gX	w
SK 7..07	SK 9022.1 VF	ø 350	ø 250	371.5	0°
	SK 9042.1 VF	ø 350	ø 350	371.5	0°
SK 8..07	SK 9022.1 VF	ø 350	ø 250	371.5	0°
	SK 9042.1 VF	ø 350	ø 350	371.5	0°
SK 9..07	SK 9032.1 VF	ø 350	ø 250	404	0°
	SK 9042.1 VF	ø 350	ø 350	404	0°
SK 10..07	SK 9032.1 VF	ø 350	ø 250	404	0°
	SK 9042.1 VF	ø 350	ø 350	404	0°
SK 11..07	SK 9052.1 VF	ø 450	ø 450	465	0°
	SK 9072.1 VF	ø 450	ø 450	445	0°
SK 12..07	SK 9072.1 VF	ø 550	ø 450	545	0°
	SK 9082.1 VF	ø 550	ø 450	515	0°
SK 13..07	SK 9072.1 VF	ø 550	ø 450	565	0°
	SK 9082.1 VF	ø 550	ø 450	535	0°
SK 14..07	SK 9072.1 VF	ø 550	ø 450	595	0°
	SK 9082.1 VF	ø 550	ø 450	565	0°
SK 15..07	SK 9082.1 VF	ø 550	ø 550	655	0°
	SK 9092.1 VF	ø 550	ø 660	620	0°

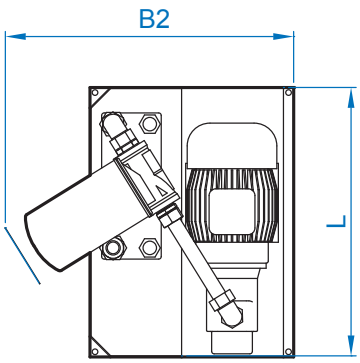


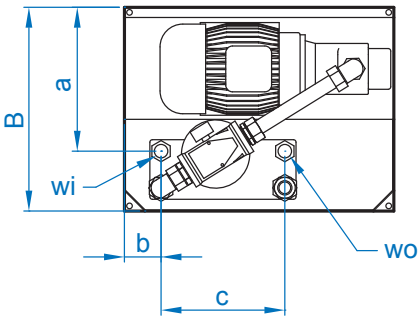
CS1 - Water Cooler



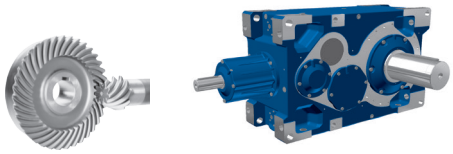




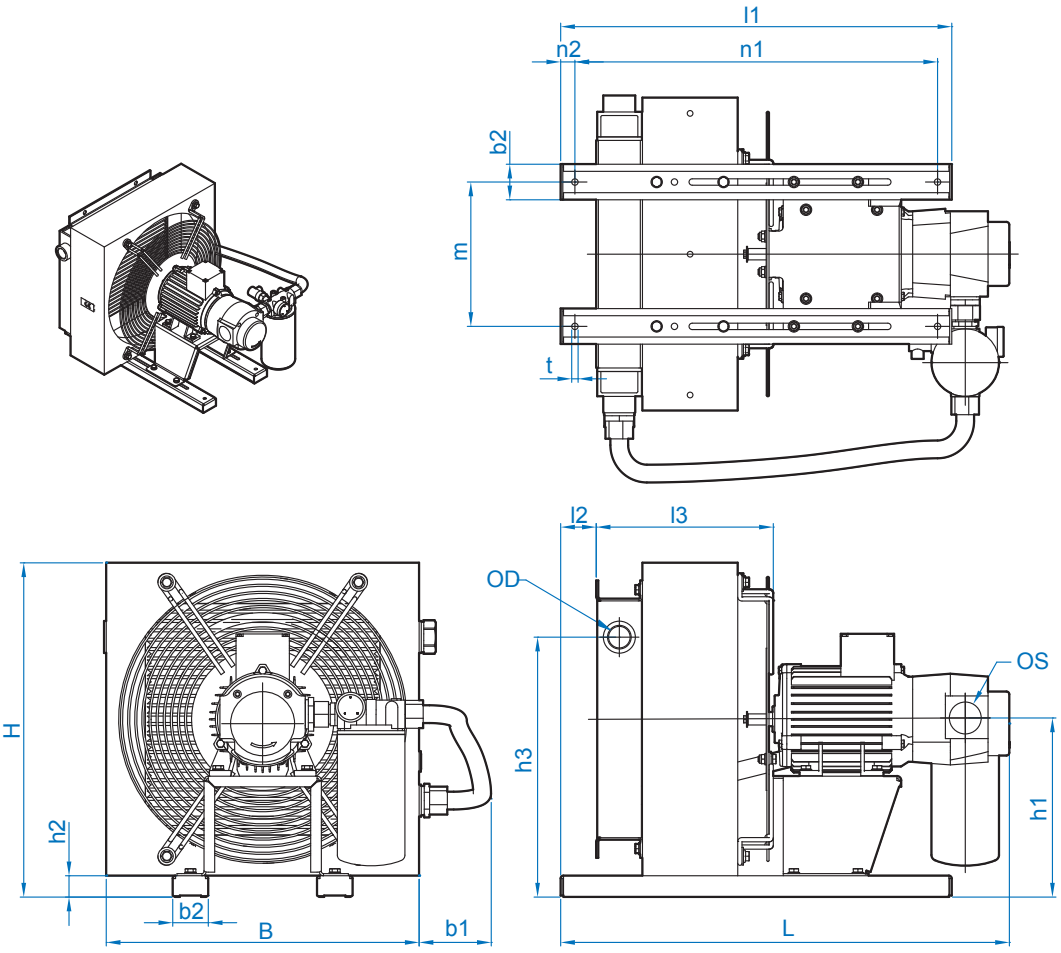




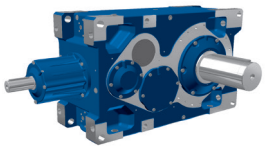
	L	B	B2	H	H2	a	b	c	wi	wo
A	480	420	500	400	430	250	80	278	G 1/2	G 1/2
B	520	394	530	431	450	287	175.5	234	G 3/4	G 3/4
C	520	394	530	431	450	287	175.5	234	G 3/4	G 3/4
D	530	450	570	450	480	282	70	243	G 3/4	G 3/4
E	530	450	570	450	480	282	70	243	G 3/4	G 3/4
F	530	450	570	450	480	282	70	243	G 3/4	G 3/4
G	600	550	650	500	530	340	50	320	G 1	G 1
H	600	550	650	500	530	340	50	320	G 1	G 1



CS2 - Air Cooler

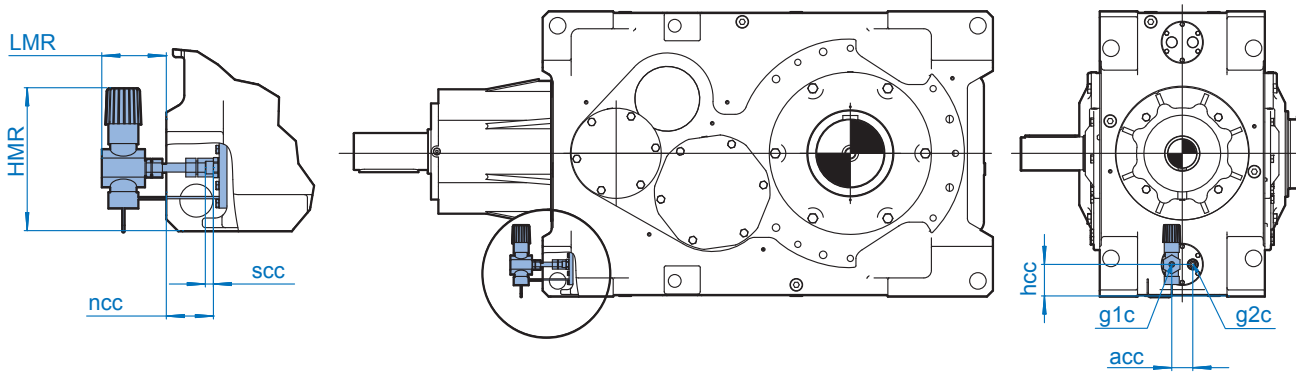


	L	l1	l2	l3	B	b1	b2	H	h1	h2	h3	n1	n2	m	t	os	od
A	755	560	43	173	330	137	30	355	185	15	330	525	15	160	Ø9	G 3/4	G 3/4
B	793	560	43	190	380	137	30	500	235	15	429	525	15	290	Ø9	G 3/4	G 3/4
C	793	560	43	190	380	137	30	500	235	15	429	525	15	290	Ø9	G 3/4	G 3/4
D	932	680	37	229	485	134	30	567	270	20	490	640	20	425	Ø8	G 1 1/2	G 1
E	932	680	37	229	485	134	30	567	270	20	490	640	20	425	Ø8	G 1 1/2	G 1
F	932	680	37	229	485	134	30	567	270	20	490	640	20	425	Ø8	G 1 1/2	G 1
G	1028	680	40	289	584	134	30	687	330	20	579	515	20	482	Ø9	G 1 1/2	G 1 1/4
H	1142	870	42	289	706	119	50	806	408	55	707	830	20	560	Ø12	G 1 1/2	G 1 1/4



CC - Internal Water Cooler
OH - Oil Heater

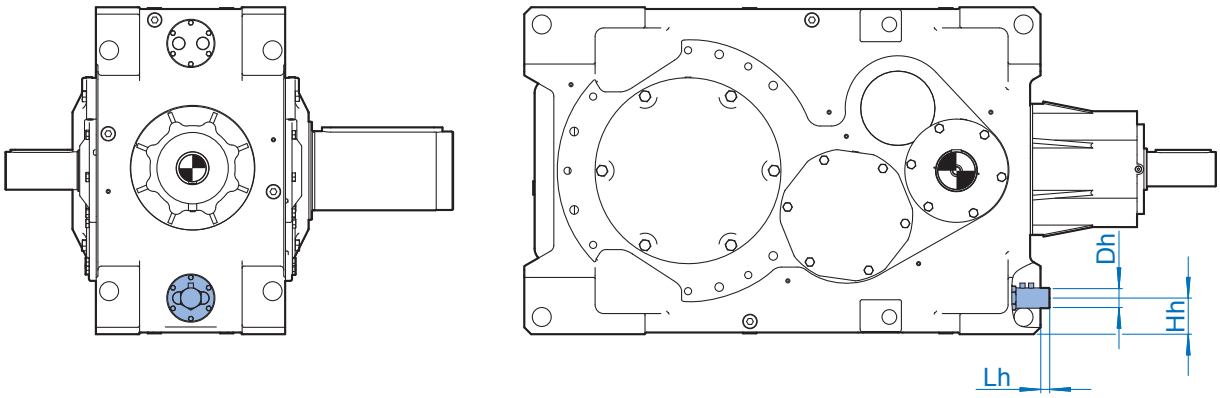
CC - Internal Water Cooler (Cooling Coil)



	g1c	g2c	scc	acc	hcc	ncc	HMR	LMR
SK 11..07	G 1/2″	G 1/2″	13	70	90	62	238	108
SK 12..07	G 1/2″	G 1/2″	13	70	110	70	238	108
SK 13..07	G 1/2″	G 1/2″	13	70	100	78	238	108
SK 14..07	G 1/2″	G 1/2″	13	70	95	85	238	108
SK 15..07	G 1/2″	G 1/2″	13	70	110	93	238	108

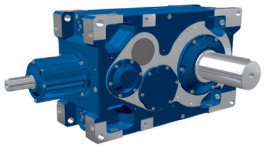
*** Other sizes available upon request**

OH - Oil Heater

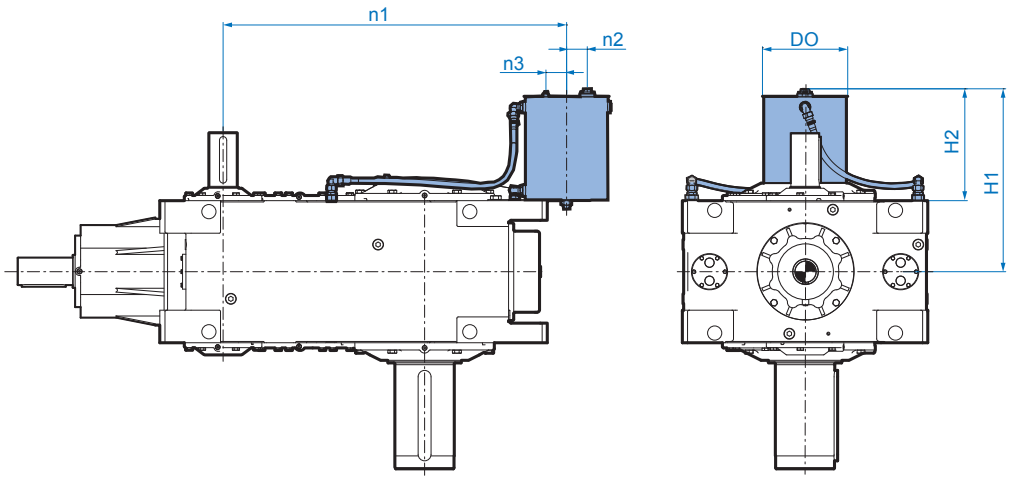


	Dh	Hh	Lh	1.0 kW	1.2 kW	1.4 kW	1.6 kW	2.0 kW
SK 11..07	ø 65	90	57	X	X			
SK 12..07	ø 65	110	49	X	X	X		
SK 13..07	ø 65	100	49		X	X	X	
SK 14..07	ø 65	95	39		X	X	X	
SK 15..07	ø 65	110	20		X	X	X	X

*** Other sizes available upon request**



OT - Oil Tank

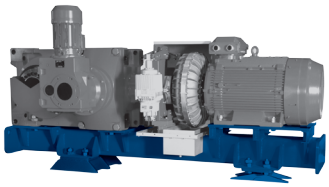


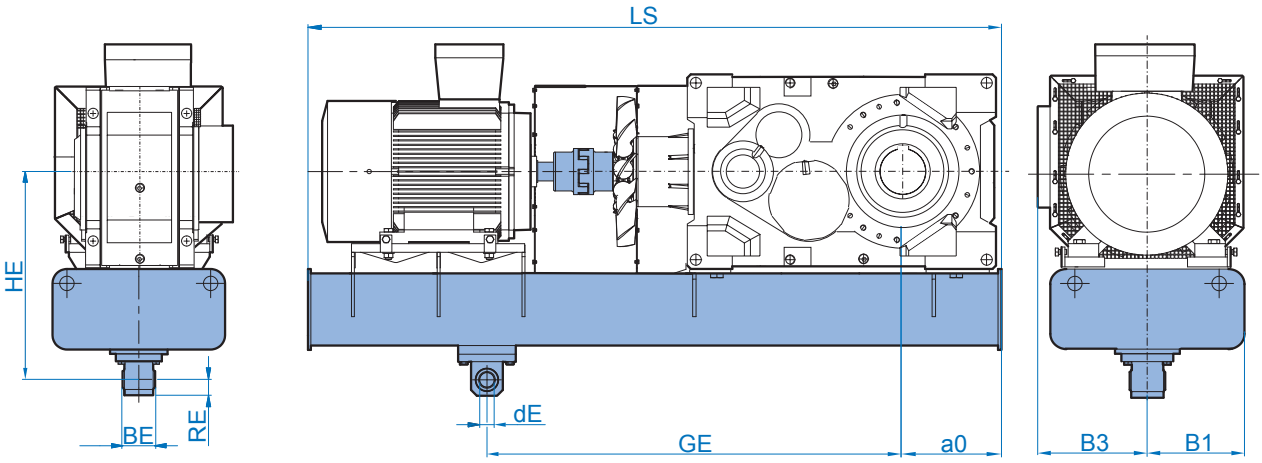
M5 / M6 Mounting	DO	HO	H1	H2	n1	n2	n3
SK 11..07	ø 190	400	645	425	1060	80	80
SK 12..07	ø 330	400	730	477	1185	80	80
SK 13..07	ø 330	400	810	535	1330	80	80
SK 14..07	Available upon request						
SK 15..07	ø 330	400	965	636	1580	80	80

*** Other sizes available upon request**

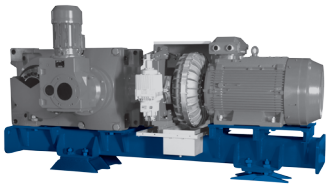
DRIVESYSTEMS

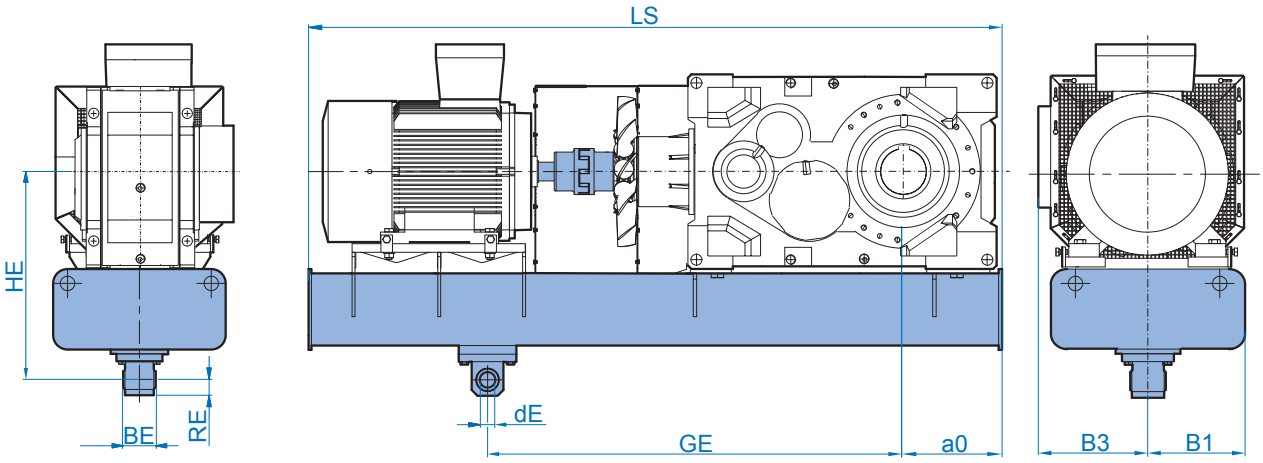
Swingbase Dimensions



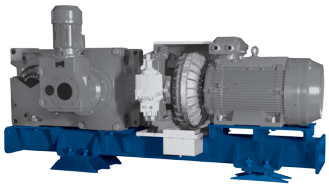


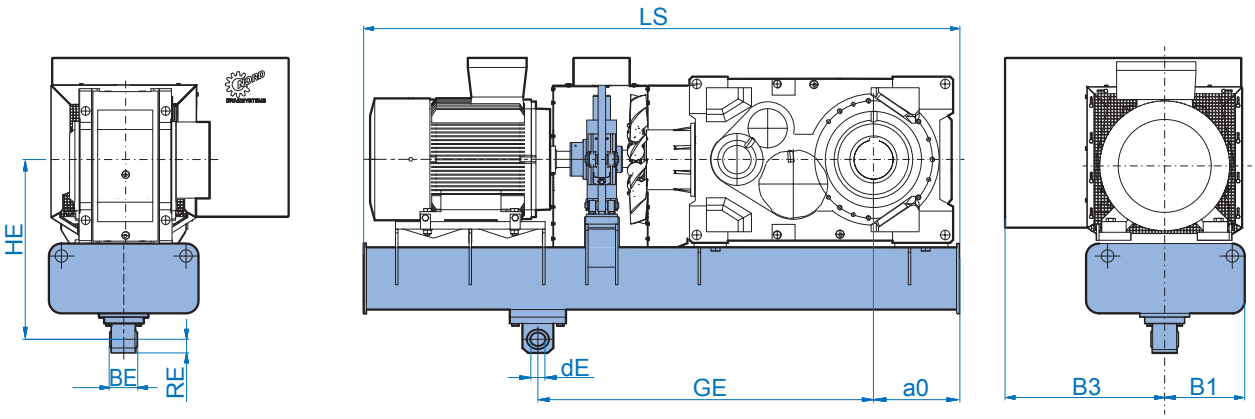
MSK	Motor Size	LS	B1	B3	a0	HE	GE	BE	RE	dE
SK 7407 SK 7507	132S/4 - 180L/4	1850	400	315	330	710	1200	110	55	50
	200L/4 - 280M/4	2100	400	315	330	710	1200	110	55	50
	315S/4 - 315S/4	2350	400	315	330	710	1200	110	55	50
SK 8407 SK 8507	132S/4 - 160L/4	1850	400	315	355	735	1200	110	55	50
	180M/4 - 250M/4	2100	400	315	355	735	1200	110	55	50
	280S/4 - 315S/4	2350	400	315	355	735	1200	110	55	50
SK 9407 SK 9507	132S/4 - 180L/4	2100	400	400	390	765	1600	110	55	50
	200L/4 - 280M/4	2350	400	400	390	765	1600	110	55	50
	315S/4 - 315S/4	2600	400	400	390	765	1600	110	55	50
SK 10407 SK 10507	132S/4 - 250M/4	2350	400	400	420	800	1800	110	55	50
	280S/4 - 315S/4	2600	400	400	420	800	1800	110	55	50
SK 11407	225S/4 - 280M/4	2600	400	440	430	900	1800	120	90	100
	315S/4 - 315L/4	2850	400	440	430	900	1800	120	90	100
	315LA/4 - 355M/4	3100	400	440	430	900	1800	120	90	100
SK 11507	160M/4 - 225S/4	2350	400	440	430	900	1800	120	90	100
	225M/4 - 280M/4	2600	400	440	430	900	1800	120	90	100
SK 12407	225S/4 - 280M/4	2850	400	480	465	1050	2000	120	90	100
	315S/4 - 315L/4	3100	400	480	465	1050	2000	120	90	100
	315LA/4 - 355M/4	3350	400	480	465	1050	2000	120	90	100
SK 12507	160M/4 - 250M/4	2600	400	480	465	1050	2000	120	90	100
	280S/4 - 280M/4	2850	400	480	465	1050	2000	120	90	100



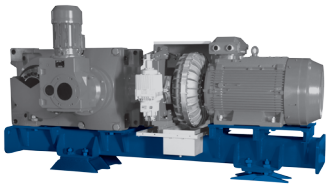


MSK	Motor Size	LS	B1	B3	a0	HE	GE	BE	RE	dE
SK 13407	250M/4 - 280M/4	3100	400	555	535	1128	1800	230	100	124
	315S/4 - 315LB/4	3350	400	555	535	1128	1800	230	100	124
	355S/4 - 355M/4	3600	400	555	535	1128	1800	230	100	124
SK 13507	180M/4 - 250M/4	2850	400	555	535	1128	1800	230	100	124
	280S/4 - 280M/4	3100	400	555	535	1128	1800	230	100	124
SK 14407	315S/4 - 315L/4	3600	400	585	565	1178	2000	230	100	124
	315LA/4 - 315LB/4	3850	400	585	565	1178	2000	230	100	124
	355S/4 - 355M/4	3850	400	585	565	1178	2000	230	100	124
SK 14507	180M/4 - 250M/4	3100	400	585	565	1178	2000	230	100	124
	280S/4 - 280M/4	3350	400	585	565	1178	2000	230	100	124
SK 15407	280S/4 - 315L/4	3600	400	605	605	1300	2000	230	100	124
	315LA/4 - 315LB/4	3850	400	605	605	1300	2000	230	100	124
	355S/4 - 355M/4	4100	400	605	605	1300	2000	230	100	124
SK 15507	225S/4 - 225M/4	3100	400	605	605	1300	2000	230	100	124
	250M/4 - 315S/4	3350	400	605	605	1300	2000	230	100	124
	315M/4 - 315LB/4	3600	400	605	605	1300	2000	230	100	124

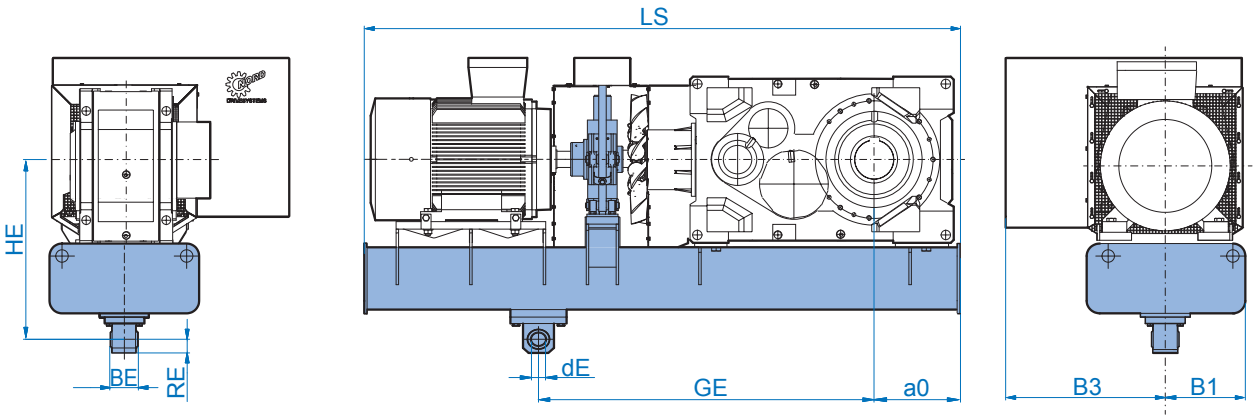




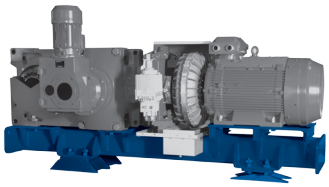
MSKB	Motor Size	LS	B1	B3	a0	HE	GE	BE	RE	dE
SK 7407 SK 7507	132S/4 - 180L/4	1850	400	315	330	710	1200	110	55	50
	200L/4 - 280M/4	2100	400	315	330	710	1200	110	55	50
	315S/4 - 315S/4	2350	400	315	330	710	1200	110	55	50
SK 8407 SK 8507	132S/4 - 160L/4	1850	400	315	355	735	1200	110	55	50
	180M/4 - 250M/4	2100	400	315	355	735	1200	110	55	50
	280S/4 - 315S/4	2350	400	315	355	735	1200	110	55	50
SK 9407 SK 9507	132S/4 - 180L/4	2100	400	400	390	765	1600	110	55	50
	200L/4 - 280M/4	2350	400	400	390	765	1600	110	55	50
	315S/4 - 315S/4	2600	400	400	390	765	1600	110	55	50
SK 10407 SK 10507	132S/4 - 250M/4	2350	400	400	420	800	1800	110	55	50
	280S/4 - 315S/4	2600	400	400	420	800	1800	110	55	50
SK 11407	225S/4 - 280M/4	2600	400	440	430	900	1800	120	90	100
	315S/4 - 315L/4	2850	400	440	430	900	1800	120	90	100
	315LA/4 - 355M/4	3100	400	440	430	900	1800	120	90	100
SK 11507	160M/4 - 225S/4	2350	400	440	430	900	1800	120	90	100
	225M/4 - 280M/4	2600	400	440	430	900	1800	120	90	100
SK 12407	225S/4 - 280M/4	2850	400	480	465	1050	2000	120	90	100
	315S/4 - 315L/4	3100	400	480	465	1050	2000	120	90	100
	315LA/4 - 355M/4	3350	400	480	465	1050	2000	120	90	100
SK 12507	160M/4 - 250M/4	2600	400	480	465	1050	2000	120	90	100
	280S/4 - 280M/4	2850	400	480	465	1050	2000	120	90	100

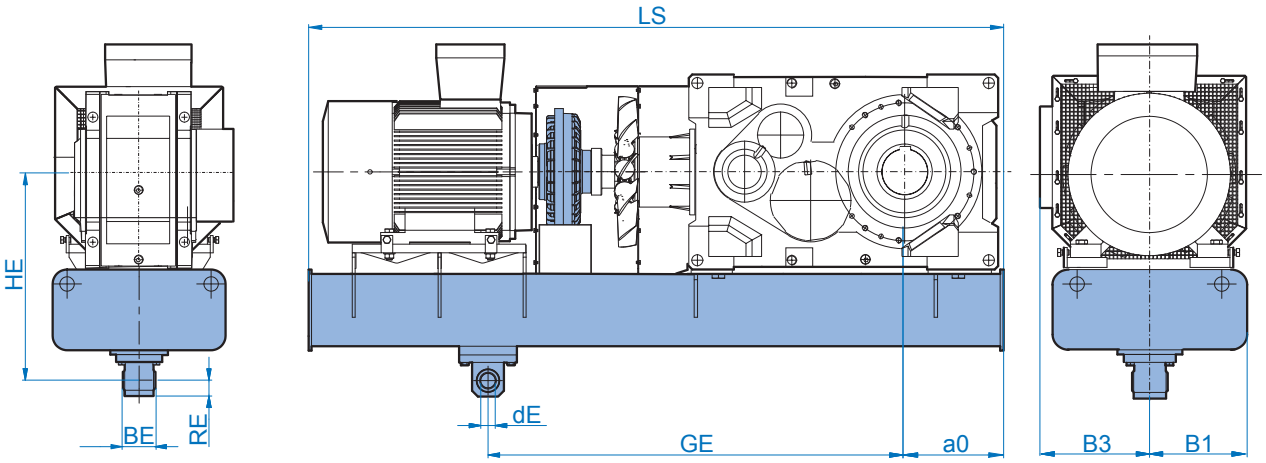


SK ..407 MSKB
SK ..507 MSKB

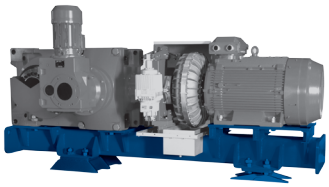


MSKB	Motor Size	LS	B1	B3	a0	HE	GE	BE	RE	dE
SK 13407	250M/4 - 280M/4	3100	400	555	535	1128	1800	230	100	124
	315S/4 - 315LB/4	3350	400	555	535	1128	1800	230	100	124
	355S/4 - 355M/4	3600	400	555	535	1128	1800	230	100	124
SK 13507	180M/4 - 250M/4	2850	400	555	535	1128	1800	230	100	124
	280S/4 - 280M/4	3100	400	555	535	1128	1800	230	100	124
SK 14407	315S/4 - 315L/4	3600	400	585	565	1178	2000	230	100	124
	315LA/4 - 315LB/4	3850	400	585	565	1178	2000	230	100	124
	355S/4 - 355M/4	3850	400	585	565	1178	2000	230	100	124
SK 14507	180M/4 - 250M/4	3100	400	585	565	1178	2000	230	100	124
	280S/4 - 280M/4	3350	400	585	565	1178	2000	230	100	124
SK 15407	280S/4 - 315L/4	3600	400	605	605	1300	2000	230	100	124
	315LA/4 - 315LB/4	3850	400	605	605	1300	2000	230	100	124
	355S/4 - 355M/4	4100	400	605	605	1300	2000	230	100	124
SK 15507	225S/4 - 225M/4	3100	400	605	605	1300	2000	230	100	124
	250M/4 - 2315S/4	3350	400	605	605	1300	2000	230	100	124
	315M/4 - 315LB/4	3600	400	605	605	1300	2000	230	100	124

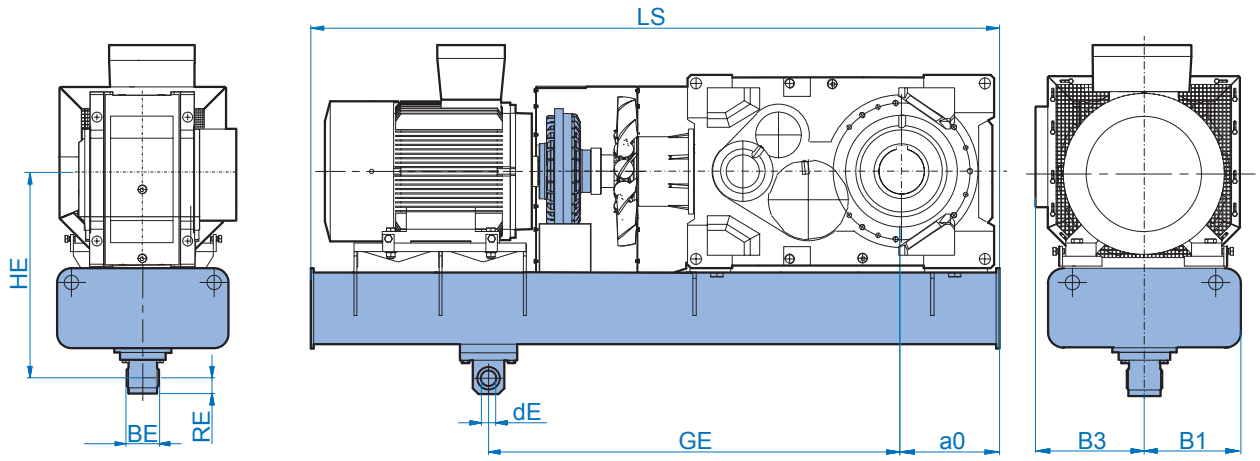




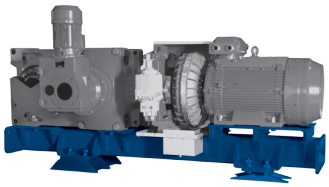
MST	Motor Size	LS	B1	B3	a0	HE	GE	BE	RE	dE
SK 7407 SK 7507	132S/4 - 180L/4	1850	400	315	330	710	1200	110	55	50
	200L/4 - 280M/4	2100	400	315	330	710	1200	110	55	50
	315S/4 - 315S/4	2350	400	315	330	710	1200	110	55	50
SK 8407 SK 8507	132S/4 - 160L/4	1850	400	315	355	735	1200	110	55	50
	180M/4 - 250M/4	2100	400	315	355	735	1200	110	55	50
	280S/4 - 315S/4	2350	400	315	355	735	1200	110	55	50
SK 9407 SK 9507	132S/4 - 180L/4	2100	400	400	390	765	1600	110	55	50
	200L/4 - 280M/4	2350	400	400	390	765	1600	110	55	50
	315S/4 - 315S/4	2600	400	400	390	765	1600	110	55	50
SK 10407 SK 10507	132S/4 - 250M/4	2350	400	400	420	800	1800	110	55	50
	280S/4 - 315S/4	2600	400	400	420	800	1800	110	55	50
SK 11407	225S/4 - 280M/4	2600	400	440	430	900	1800	120	90	100
	315S/4 - 315L/4	2850	400	440	430	900	1800	120	90	100
	315LA/4 - 355M/4	3100	400	440	430	900	1800	120	90	100
SK 11507	160M/4 - 225S/4	2350	400	440	430	900	1800	120	90	100
	225M/4 - 280M/4	2600	400	440	430	900	1800	120	90	100
SK 12407	225S/4 - 280M/4	2850	400	480	465	1050	2000	120	90	100
	315S/4 - 315L/4	3100	400	480	465	1050	2000	120	90	100
	315LA/4 - 355M/4	3350	400	480	465	1050	2000	120	90	100
SK 12507	160M/4 - 250M/4	2600	400	480	465	1050	2000	120	90	100
	280S/4 - 280M/4	2850	400	480	465	1050	2000	120	90	100

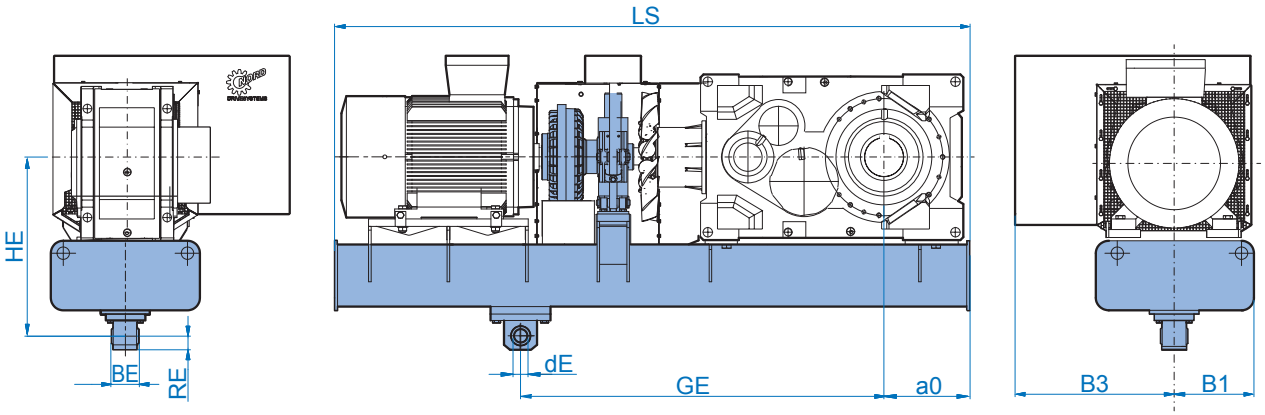


SK ..407 MST
SK ..507 MST

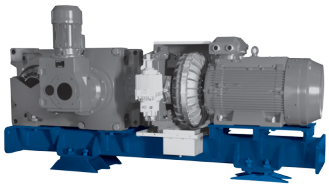


MST	Motor Size	LS	B1	B3	a0	HE	GE	BE	RE	dE
SK 13407	250M/4 - 280M/4	3100	400	555	535	1128	1800	230	100	124
	315S/4 - 315LB/4	3350	400	555	535	1128	1800	230	100	124
	355S/4 - 355M/4	3600	400	555	535	1128	1800	230	100	124
SK 13507	180M/4 - 250M/4	2850	400	555	535	1128	1800	230	100	124
	280S/4 - 280M/4	3100	400	555	535	1128	1800	230	100	124
SK 14407	315S/4 - 315L/4	3600	400	585	565	1178	2000	230	100	124
	315LA/4 - 315LB/4	3850	400	585	565	1178	2000	230	100	124
	355S/4 - 355M/4	3850	400	585	565	1178	2000	230	100	124
SK 14507	180M/4 - 250M/4	3100	400	585	565	1178	2000	230	100	124
	280S/4 - 280M/4	3350	400	585	565	1178	2000	230	100	124
SK 15407	280S/4 - 315L/4	3600	400	605	605	1300	2000	230	100	124
	315LA/4 - 315LB/4	3850	400	605	605	1300	2000	230	100	124
	355S/4 - 355M/4	4100	400	605	605	1300	2000	230	100	124
SK 15507	225S/4 - 225M/4	3100	400	605	605	1300	2000	230	100	124
	250M/4 - 315S/4	3350	400	605	605	1300	2000	230	100	124
	315M/4 - 315LB/4	3600	400	605	605	1300	2000	230	100	124

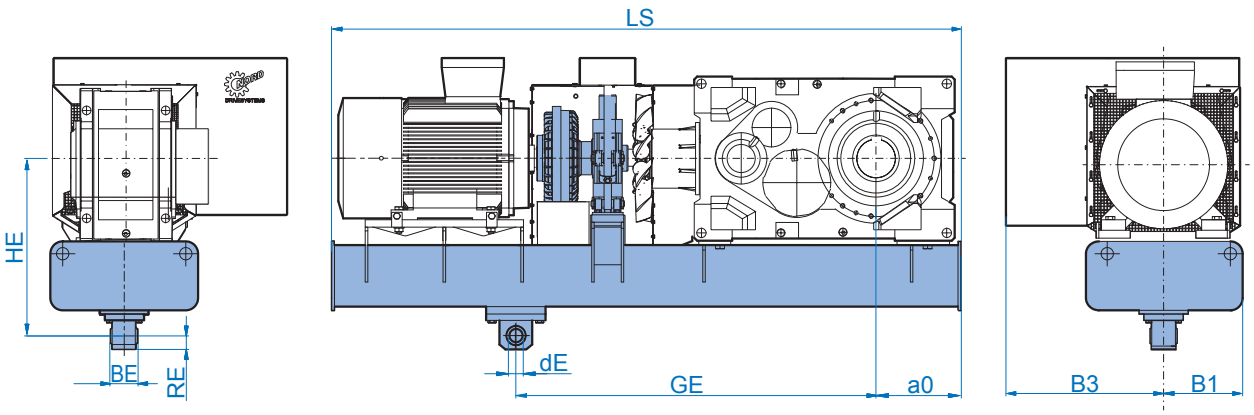




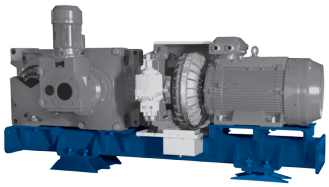
MSTB	Motor Size	LS	B1	B3	a0	HE	GE	BE	RE	dE
SK 7407 SK 7507	132S/4 - 180L/4	1850	400	315	330	710	1200	110	50	50
	200L/4 - 280M/4	2100	400	315	330	710	1200	110	50	50
	315S/4 - 315S/4	2350	400	315	330	710	1200	110	50	50
SK 8407 SK 8507	132S/4 - 160L/4	1850	400	315	355	735	1200	110	50	50
	180M/4 - 250M/4	2100	400	315	355	735	1200	110	50	50
	280S/4 - 315S/4	2350	400	315	355	735	1200	110	50	50
SK 9407 SK 9507	132S/4 - 180L/4	2100	400	400	390	765	1600	110	50	50
	200L/4 - 280M/4	2350	400	400	390	765	1600	110	50	50
	315S/4 - 315S/4	2600	400	400	390	765	1600	110	50	50
SK 10407 SK 10507	132S/4 - 250M/4	2350	400	400	420	800	1800	110	50	50
	280S/4 - 315S/4	2600	400	400	420	800	1800	110	50	50
SK 11407	225S/4 - 280M/4	2600	400	440	430	900	1800	120	90	100
	315S/4 - 315L/4	2850	400	440	430	900	1800	120	90	100
	315LA/4 - 355M/4	3100	400	440	430	900	1800	120	90	100
SK 11507	160M/4 - 225S/4	2350	400	440	430	900	1800	120	90	100
	225M/4 - 280M/4	2600	400	440	430	900	1800	120	90	100
SK 12407	225S/4 - 280M/4	2850	400	480	465	1050	2000	120	90	100
	315S/4 - 315L/4	3100	400	480	465	1050	2000	120	90	100
	315LA/4 - 355M/4	3350	400	480	465	1050	2000	120	90	100
SK 12507	160M/4 - 250M/4	2600	400	480	465	1050	2000	120	90	100
	280S/4 - 280M/4	2850	400	480	465	1050	2000	120	90	100

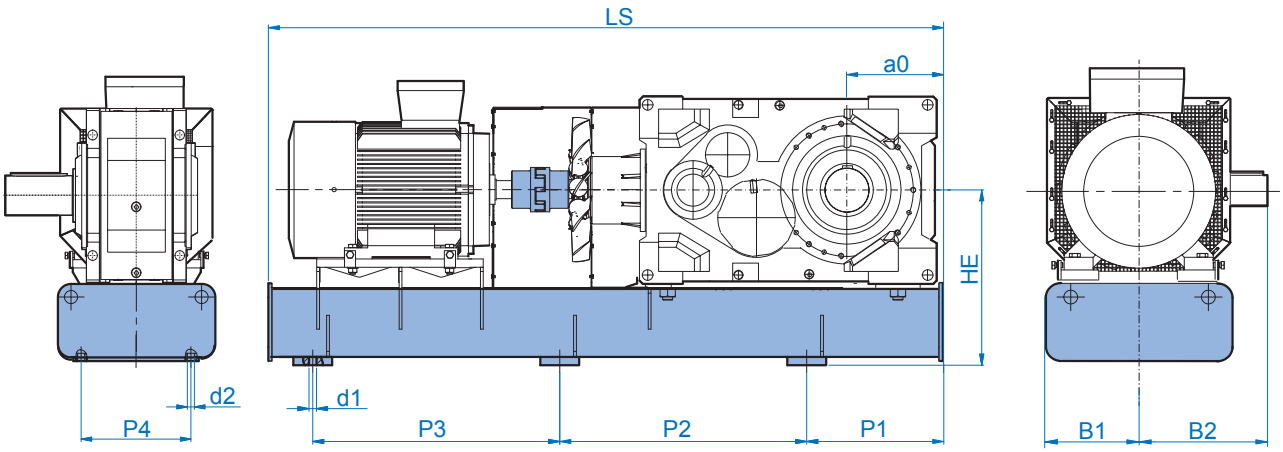


SK ..407 MSTB
SK ..507 MSTB

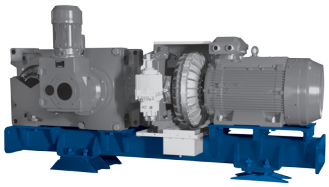


MSTB	Motor Size	LS	B1	B3	a0	HE	GE	BE	RE	dE
SK 13407	250M/4 - 280M/4	3100	400	555	535	1128	1800	230	100	124
	315S/4 - 315LB/4	3350	400	555	535	1128	1800	230	100	124
	355S/4 - 355M/4	3600	400	555	535	1128	1800	230	100	124
SK 13507	180M/4 - 250M/4	2850	400	555	535	1128	1800	230	100	124
	280S/4 - 280M/4	3100	400	555	535	1128	1800	230	100	124
SK 14407	315S/4 - 315L/4	3600	400	585	565	1178	2000	230	100	124
	315LA/4 - 315LB/4	3850	400	585	565	1178	2000	230	100	124
	355S/4 - 355M/4	3850	400	585	565	1178	2000	230	100	124
SK 14507	180M/4 - 250M/4	3100	400	585	565	1178	2000	230	100	124
	280S/4 - 280M/4	3350	400	585	565	1178	2000	230	100	124
SK 15407	280S/4 - 315L/4	3600	400	605	605	1300	2000	230	100	124
	315LA/4 - 315LB/4	3850	400	605	605	1300	2000	230	100	124
	355S/4 - 355M/4	4100	400	605	605	1300	2000	230	100	124
SK 15507	225S/4 - 225M/4	3100	400	605	605	1300	2000	230	100	124
	250M/4 - 315S/4	3350	400	605	605	1300	2000	230	100	124
	315M/4 - 315LB/4	3600	400	605	605	1300	2000	230	100	124

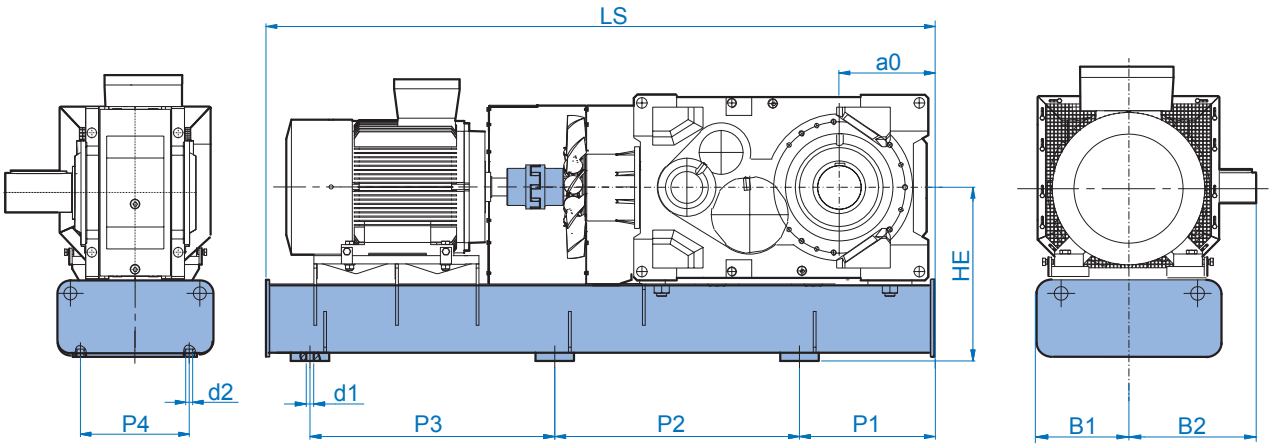




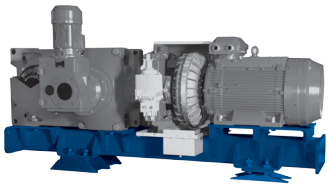
MFK	Motor	LS	B1	B2	a0	HE	P1	P2	P3	P4	d1	d2
SK 7407 SK 7507	132S/4 - 160M/4	1850	400	452	355	620	270	655	655	290	40	22
	160L/4 - 250M/4	2100	400	452	355	620	270	780	780	290	40	22
	280S/4 - 315L/4	2350	400	452	355	620	270	905	905	290	40	22
SK 8407 SK 8507	132S/4 - 132M/4	1850	400	452	385	650	270	655	655	350	40	22
	160M/4 - 225M/4	2100	400	452	385	650	270	780	780	350	40	22
	250M/4 - 315M/4	2350	400	452	385	650	270	905	905	350	40	22
SK 9407 SK 9507	132S/4 - 180L/4	2100	400	557	390	680	270	780	780	350	40	22
	200L/4 - 280M/4	2350	400	557	390	680	270	905	905	350	40	22
	315S/4 - 315L/4	2600	400	557	390	680	270	1030	1030	350	40	22
SK 10407 SK 10507	132S/4 - 160M/4	2100	400	557	425	715	270	780	780	350	40	22
	160L/4 - 250M/4	2350	400	557	425	715	270	905	905	350	40	22
	280S/4 - 315L/4	2600	400	557	425	715	270	1030	1030	350	40	22
SK 11407	225S/4 - 280M/4	2600	400	580	430	740	270	1030	1030	350	45	26
	315S/4 - 315L/4	2850	400	580	430	740	270	1155	1155	350	45	26
	315LA/4 - 355M/4	3100	400	580	430	740	270	1280	1280	350	45	26
SK 11507	160M/4 - 225S/4	2350	400	580	430	740	270	905	905	350	45	26
	225M/4 - 280M/4	2600	400	580	430	740	270	1030	1030	350	45	26
SK 12407	225S/4 - 280M/4	2850	400	665	465	890	270	1155	1155	500	45	26
	315S/4 - 315L/4	3100	400	665	465	890	270	1280	1280	500	45	26
	315LA/4 - 355M/4	3350	400	665	465	890	270	1405	1405	500	45	26
SK 12507	160L/4 - 250M/4	2600	400	665	465	890	270	1030	1030	500	45	26
	280S/4 - 280M/4	2850	400	665	465	890	270	1155	1155	500	45	26

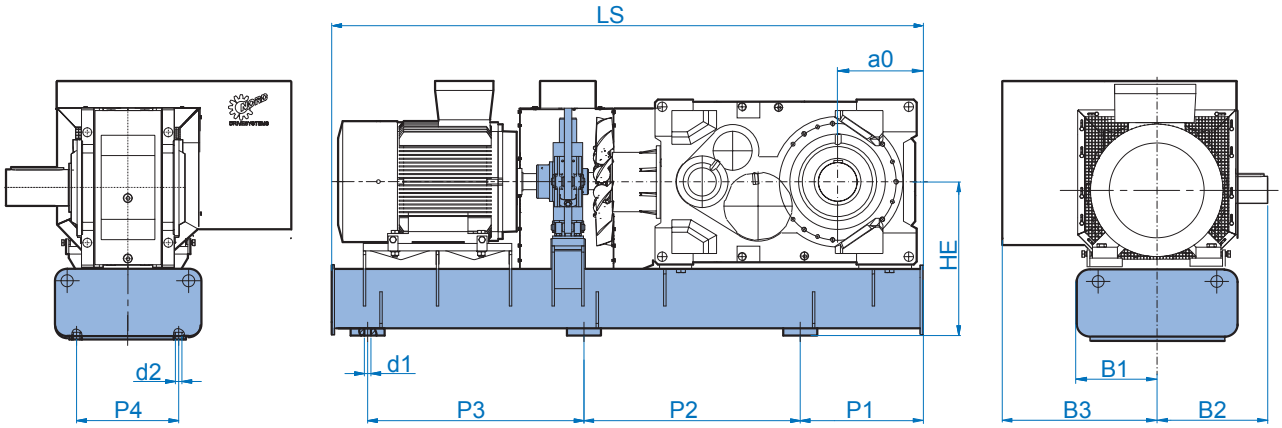


SK ..407 MFK
SK ..507 MFK

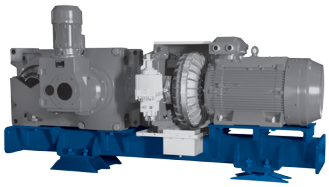


MFK	Motor	LS	B1	B2	a0	HE	P1	P2	P3	P4	d1	d2
SK 13407	250M/4 - 280M/4	3100	400	763	535	940	300	1250	1250	500	45	26
	315S/4 - 315LB/4	3350	400	763	535	940	300	1375	1375	500	45	26
	355S/4 - 355M/4	3600	400	763	535	940	300	1500	1500	500	45	26
SK 13507	180M/4 - 250M/4	2850	400	763	535	940	300	1125	1125	500	45	26
	280S/4 - 280M/4	3100	400	763	535	940	300	1250	1250	500	45	26
SK 14407	315S/4 - 315L/4	3600	400	793	565	990	300	1500	1500	500	45	26
	315LA/4 - 315LB/4	3850	400	793	565	990	300	1625	1625	500	45	26
	355S/4 - 355M/4	4100	400	793	565	990	300	1750	1750	500	45	26
SK 14507	180M/4 - 250M/4	3100	400	793	565	990	300	1250	1250	500	45	26
	280S/4 - 280M/4	3350	400	793	565	990	300	1375	1375	500	45	26
SK 15407	280S/4 - 315L/4	3600	400	805	605	1125	300	1500	1500	500	45	26
	315LA/4 - 315LB/4	3850	400	805	605	1125	300	1625	1625	500	45	26
	355S/4 - 355M/4	4100	400	805	605	1125	300	1750	1750	500	45	26
SK 15507	225S/4 - 225M/4	3100	400	805	605	1125	300	1250	1250	500	45	26
	250M/4 - 315S/4	3350	400	805	605	1125	300	1375	1375	500	45	26

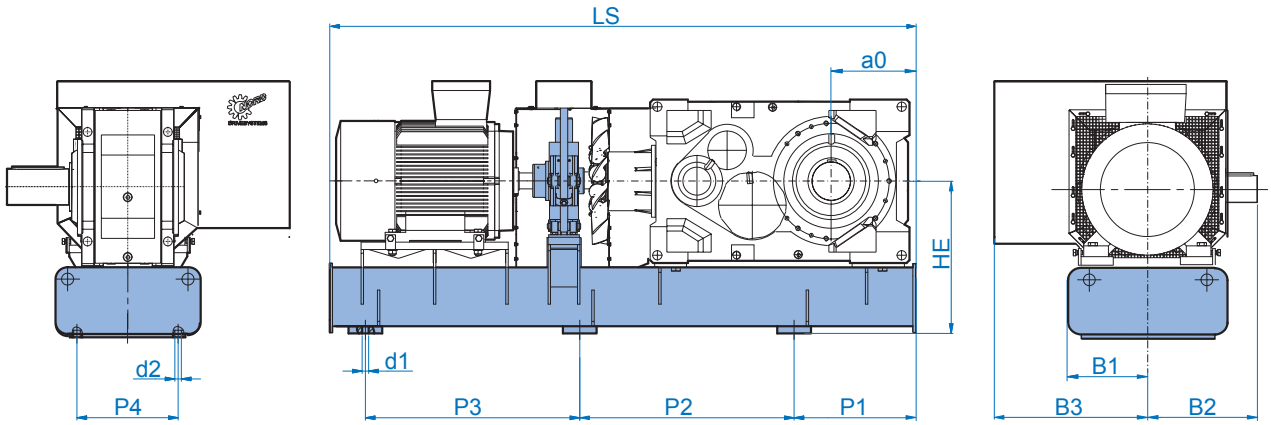




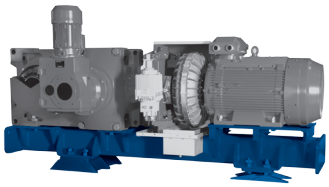
MFKB	Motor	LS	B1	B2	B3	a0	HE	P1	P2	P3	P4	d1	d2
SK 7407 SK 7507	132S/4 - 160M/4	1850	400	452	500	355	620	270	655	655	290	40	22
	160L/4 - 250M/4	2100	400	452	695	355	620	270	780	780	290	40	22
	280S/4 - 315L/4	2350	400	452	860	355	620	270	905	905	290	40	22
SK 8407 SK 8507	132S/4 - 132M/4	1850	400	452	500	385	650	270	655	655	350	40	22
	160M/4 - 225M/4	2100	400	452	655	385	650	270	780	780	350	40	22
	250M/4 - 315M/4	2350	400	452	695	385	650	270	905	905	350	40	22
SK 9407 SK 9507	132S/4 - 180L/4	2100	400	557	500	390	680	270	780	780	350	40	22
	200L/4 - 280M/4	2350	400	557	695	390	680	270	905	905	350	40	22
	315S/4 - 315L/4	2600	400	557	860	390	680	270	1030	1030	350	40	22
SK 10407 SK 10507	132S/4 - 160M/4	2100	400	557	500	425	715	270	780	780	350	40	22
	160L/4 - 250M/4	2350	400	557	695	425	715	270	905	905	350	40	22
	280S/4 - 315L/4	2600	400	557	860	425	715	270	1030	1030	350	40	22
SK 11407	225S/4 - 280M/4	2600	400	580	695	430	740	270	1030	1030	350	45	26
	315S/4 - 315L/4	2850	400	580	860	430	740	270	1155	1155	350	45	26
	315LA/4 - 355M/4	3100	400	580	860	430	740	270	1280	1280	350	45	26
SK 11507	160M/4 - 225S/4	2350	400	580	580	430	740	270	905	905	350	45	26
	225M/4 - 280M/4	2600	400	580	695	430	740	270	1030	1030	350	45	26
SK 12407	225S/4 - 280M/4	2850	400	665	695	465	890	270	1155	1155	500	45	26
	315S/4 - 315L/4	3100	400	665	860	465	890	270	1280	1280	500	45	26
	315LA/4 - 355M/4	3350	400	665	860	465	890	270	1405	1405	500	45	26
SK 12507	160L/4 - 250M/4	2600	400	665	695	465	890	270	1030	1030	500	45	26
	280S/4 - 280M/4	2850	400	665	695	465	890	270	1155	1155	500	45	26

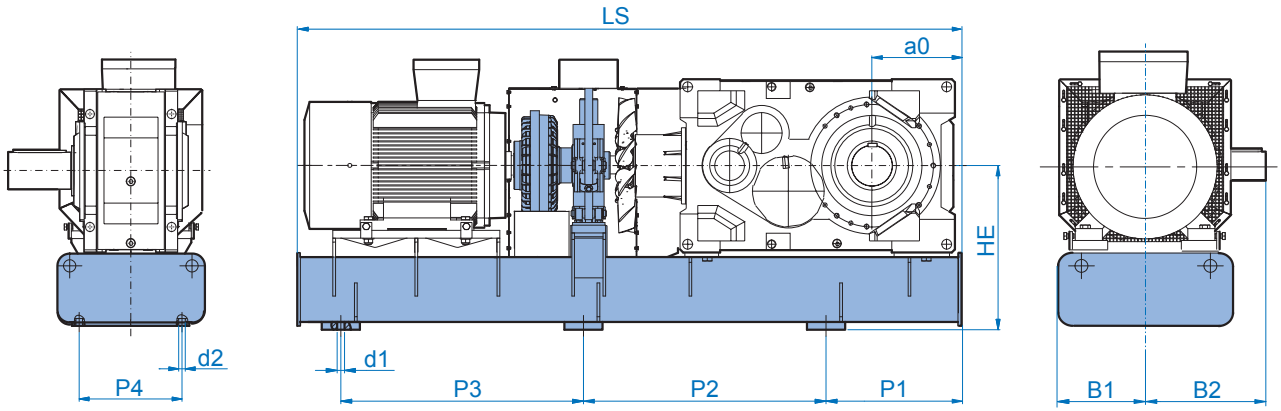


SK ..407 MFKB
SK ..507 MFKB

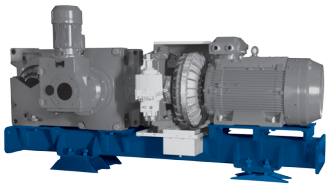


MFKB	Motor	LS	B1	B2	B3	a0	HE	P1	P2	P3	P4	d1	d2
SK 13407	250M/4 - 280M/4	3100	400	763	695	535	940	300	1250	1250	500	45	26
	315S/4 - 315LB/4	3350	400	763	860	535	940	300	1375	1375	500	45	26
	355S/4 - 355M/4	3600	400	763	860	535	940	300	1500	1500	500	45	26
SK 13507	180M/44 - 250M/4	2850	400	763	695	535	940	300	1125	1125	500	45	26
	280S/4 - 280M/4	3100	400	763	695	535	940	300	1250	1250	500	45	26
SK 14407	315S/4 - 315L/4	3600	400	793	860	565	990	300	1500	1500	500	45	26
	315LA/4 - 315LB/4	3850	400	793	860	565	990	300	1625	1625	500	45	26
	355S/4 - 355M/4	4100	400	793	860	565	990	300	1750	1750	500	45	26
SK 14507	180M/4 - 250M/4	3100	400	793	695	565	990	300	1250	1250	500	45	26
	280S/4 - 280M/4	3350	400	793	695	565	990	300	1375	1375	500	45	26
SK 15407	280S/4 - 315L/4	3600	400	805	860	605	1125	300	1500	1500	500	45	26
	315LA/4 - 315LB/4	3850	400	805	860	605	1125	300	1625	1625	500	45	26
	355S/4 - 355M/4	4100	400	805	860	605	1125	300	1750	1750	500	45	26
SK 15507	225S/4 - 225M/4	3100	400	805	655	605	1125	300	1250	1250	500	45	26
	250M/4 - 315S/4	3350	400	805	695	605	1125	300	1375	1375	500	45	26
	315M/4 - 315LB/4	3600	400	805	860	605	1125	300	1500	1500	500	45	26

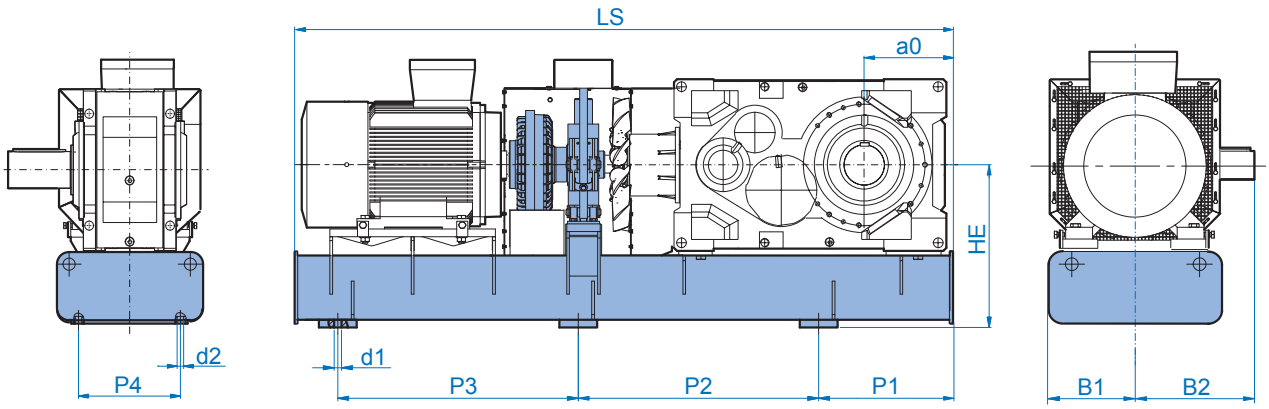




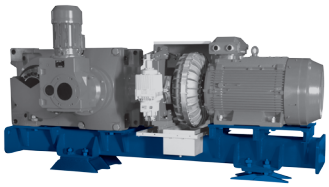
MFT	Motor	LS	B1	B2	a0	HE	P1	P2	P3	P4	d1	d2
SK 7407 SK 7507	132S/4 - 132M/4	1850	400	452	355	620	270	655	655	290	40	22
	160M/4 - 225M/4	2100	400	452	355	620	270	780	780	290	40	22
	250M/4 - 280M/4	2350	400	452	355	620	270	905	905	290	40	22
SK 8407 SK 8507	132S/4 - 132S/4	1850	400	452	385	650	270	655	655	350	40	22
	132M/4 - 200L/4	2100	400	452	385	650	270	780	780	350	40	22
	225S/4 - 315S/4	2350	400	452	385	650	270	905	905	350	40	22
SK 9407 SK 9507	132S/4 - 160M/4	2100	400	557	390	680	270	780	780	350	40	22
	160L/4 - 225M/4	2350	400	557	390	680	270	905	905	350	40	22
	280S/4 - 315L/4	2600	400	557	390	680	270	1030	1030	350	40	22
SK 10407 SK 10507	132S/4 - 132M/4	2100	400	557	425	715	270	780	780	350	40	22
	160M/4 - 225M/4	2350	400	557	425	715	270	905	905	350	40	22
	250M/4 - 315M/4	2600	400	557	425	715	270	1030	1030	350	40	22
SK 11407	315S/4 - 250M/4	2600	400	580	430	740	270	1030	1030	350	45	26
	280S/4 - 315L/4	2850	400	580	430	740	270	1155	1155	350	45	26
	315LA/4 - 315LB/4	3100	400	580	430	740	270	1280	1280	350	45	26
SK 11507	160M/4 - 180L/4	2350	400	580	430	740	270	905	905	350	45	26
	200L/4 - 280M/4	2600	400	580	430	740	270	1030	1030	350	45	26
SK 12407	225S/4 - 250M/4	2850	400	665	465	890	270	1155	1155	500	45	26
	280S/4 - 315L/4	3100	400	665	465	890	270	1280	1280	500	45	26
	315LA/4 - 315LB/4	3350	400	665	465	890	270	1405	1405	500	45	26
SK 12507	160M/4 - 225M/4	2600	400	665	465	890	270	1030	1030	500	45	26
	250M/4 - 280M/4	2850	400	665	465	890	270	1155	1155	500	45	26

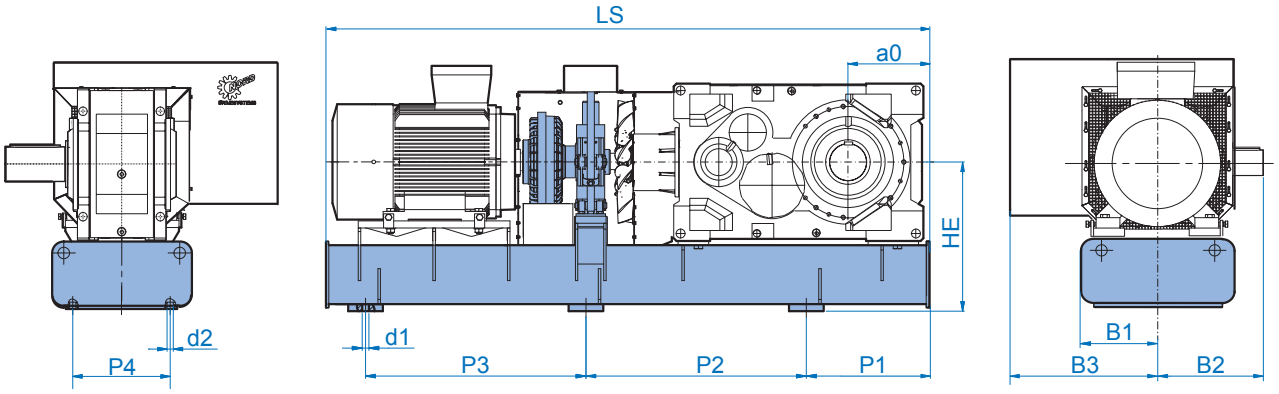


SK ..407 MFT
SK ..507 MFT

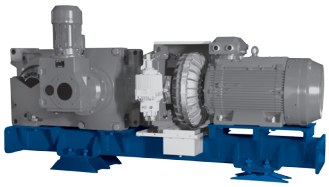


MFT	Motor	LS	B1	B2	a0	HE	P1	P2	P3	P4	d1	d2
SK 13407	250M/4 - 280S/4	3100	400	763	535	940	300	1250	1250	500	45	26
	280M/4 - 315L/4	3350	400	763	535	940	300	1375	1375	500	45	26
	315LA/4 - 355M/4	3600	400	763	535	940	300	1500	1500	500	45	26
SK 13507	180M/4 - 225M/4	2850	400	763	535	940	300	1125	1125	500	45	26
	250M/4 - 280M/4	3100	400	763	535	940	300	1250	1250	500	45	26
SK 14407	315S/4 - 315L/4	3600	400	793	565	990	300	1500	1500	500	45	26
	315LA/4 - 315LB/4	3850	400	793	565	990	300	1625	1625	500	45	26
	355S/4 - 355M/4	4100	400	793	565	990	300	1750	1750	500	45	26
SK 14507	180M/4 - 250M/4	3100	400	793	565	990	300	1250	1250	500	45	26
	280S/4 - 280M/4	3350	400	793	565	990	300	1375	1375	500	45	26
SK 15407	280S/4 - 315M/4	3600	400	805	605	1125	300	1500	1500	500	45	26
	315MA/4 - 315LB/4	3850	400	805	605	1125	300	1625	1625	500	45	26
	355S/4 - 355M/4	4100	400	805	605	1125	300	1750	1750	500	45	26
SK 15507	225S/4 - 280M/4	3350	400	805	605	1125	300	1375	1375	500	45	26
	315S/4 - 315L/4	3600	400	805	605	1125	300	1500	1500	500	45	26

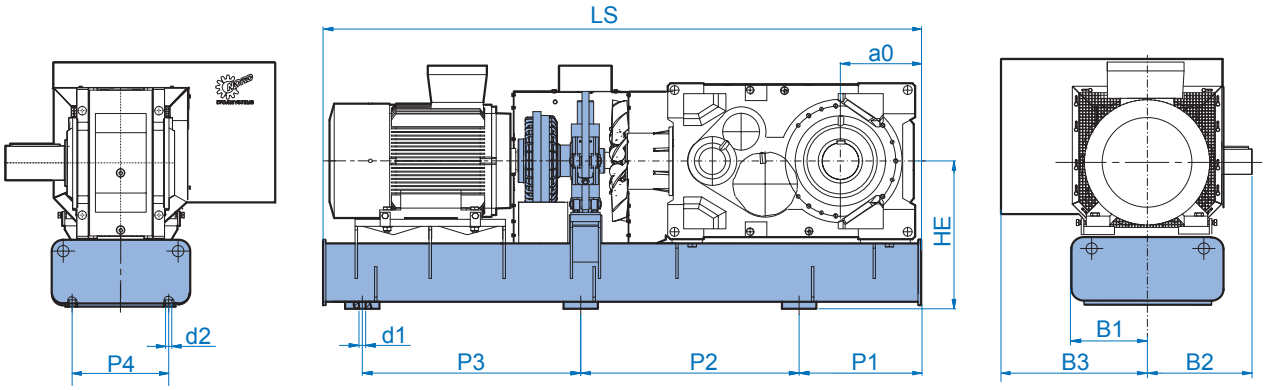




MFTB	Motor	LS	B1	B2	B3	a0	HE	P1	P2	P3	P4	d1	d2
SK 7407 SK 7507	132S/4 - 132M/4	1850	400	452	500	355	620	270	655	655	290	40	22
	160M/4 - 225M/4	2100	400	452	655	355	620	270	780	780	290	40	22
	250M/4 - 315M/4	2350	400	452	695	355	620	270	905	905	290	40	22
SK 8407 SK 8507	132S/4 - 132S/4	1850	400	452	500	385	650	270	655	655	350	40	22
	132M/4 - 200L/4	2100	400	452	580	385	650	270	780	780	350	40	22
	225S/4 - 280M/4	2350	400	452	695	385	650	270	905	905	350	40	22
SK 9407 SK 9507	132S/4 - 160M/4	2100	400	557	500	390	680	270	780	780	350	40	22
	160L/4 - 250M/4	2350	400	557	695	390	680	270	905	905	350	40	22
	280S/4 - 315L/4	2600	400	557	860	390	680	270	1030	1030	350	40	22
SK 10407 SK 10507	132S/4 - 132M/4	2100	400	557	500	425	715	270	780	780	350	40	22
	160M/4 - 225M/4	2350	400	557	655	425	715	270	905	905	350	40	22
	250M/4 - 315M/4	2600	400	557	695	425	715	270	1030	1030	350	40	22
SK 11407	225S/4 - 250M/4	2600	400	580	695	430	740	270	1030	1030	350	45	26
	280S/4 - 315L/4	2850	400	580	860	430	740	270	1155	1155	350	45	26
	315LA/4 - 315LB/4	3100	400	580	860	430	740	270	1280	1280	350	45	26
SK 11507	160M/4 - 180L/4	2350	400	580	500	430	740	270	905	905	350	45	26
	200L/4 - 280M/4	2600	400	580	695	430	740	270	1030	1030	350	45	26
SK 12407	225S/4 - 250M/4	2850	400	665	695	465	890	270	1155	1155	500	45	26
	280S/4 - 315L/4	3100	400	665	860	465	890	270	1280	1280	500	45	26
	315LA/4 - 315LB/4	3350	400	665	860	465	890	270	1405	1405	500	45	26
SK 12507	160M/4 - 225M/4	2600	400	665	655	465	890	270	1030	1030	500	45	26
	250M/4 - 280M/4	2850	400	665	695	465	890	270	1155	1155	500	45	26

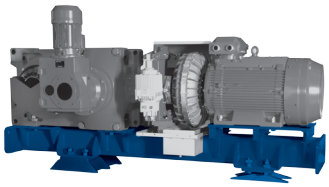


SK ..407 MFTB
SK ..507 MFTB



MFTB	Motor	LS	B1	B2	B3	a0	HE	P1	P2	P3	P4	d1	d2
SK 13407	250M/4 - 280S/4	3100	400	763	695	535	940	300	1250	1250	500	45	26
	280M/4 - 315L/4	3350	400	763	860	535	940	300	1375	1375	500	45	26
	315LA/4 - 355M/4	3600	400	763	860	535	940	300	1500	1500	500	45	26
SK 13507	180M/4 - 225M/4	2850	400	763	655	535	940	300	1125	1125	500	45	26
	250M/4 - 280M/4	3100	400	763	695	535	940	300	1250	1250	500	45	26
SK 14407	315S/4 - 315L/4	3600	400	793	860	565	990	300	1500	1500	500	45	26
	315LA/4 - 315LB/4	3850	400	793	860	565	990	300	1625	1625	500	45	26
	355S/4 - 355M/4	4100	400	793	860	565	990	300	1750	1750	500	45	26
SK 14507	180M/4 - 250M/4	3100	400	793	695	565	990	300	1250	1250	500	45	26
	280S/4 - 280M/4	3350	400	793	695	565	990	300	1375	1375	500	45	26
SK 15407	280S/4 - 315M/4	3600	400	805	695	605	1125	300	1500	1500	500	45	26
	315MA/4 - 315LB/4	3850	400	805	860	605	1125	300	1625	1625	500	45	26
	355S/4 - 355M/4	4100	400	805	860	605	1125	300	1750	1750	500	45	26
SK 15507	315S/4 - 315L/4	3600	400	805	860	605	1125	300	1500	1500	500	45	26
	315LA/4 - 315LB/4	3850	400	805	860	605	1125	300	1625	1625	500	45	26

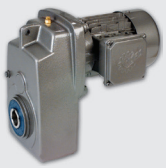
Notes



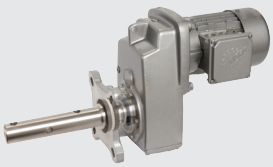
UNICASE™ SPEED REDUCERS

HELICAL IN-LINE
- Foot or Flange Mount
- Torque up to 205,000 lb-in
- Gear ratios - 1.82:1 to over 300,000:1

NORDBLOC®.1 HELICAL IN-LINE
- Foot or Flange Mount
- Torque up to 26,550 lb-in
- Gear ratios - 1.88:1 to over 370:1

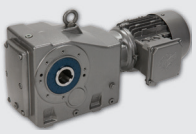


PARALLEL HELICAL CLINCHER™
- Shaft, Flange or Foot Mount
- Torque up to 797,000 lb-in
- Gear ratios - 4.26:1 to over 300,000:1

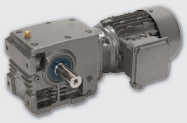


SCP SCREW CONVEYOR PACKAGE
- Shaft, or Flange Mount
- Torque up to 53,100 lb-in
- Gear ratios - 4.32:1 to over 1500:1

RIGHT ANGLE HELICAL-BEVEL 2-STAGE
- Foot, Flange or Shaft Mount
- Torque up to 5,840 lb-in
- Gear ratios - 4.1:1 to 70:1



RIGHT ANGLE HELICAL-BEVEL
- Foot, Flange or Shaft Mount
- Torque up to 283,000 lb-in
- Gear ratios - 8.04:1 to over 300,000:1

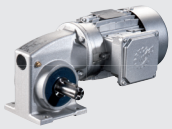


RIGHT ANGLE HELICAL-WORM
- Foot, Flange or Shaft Mount
- Torque up to 27,585 lb-in
- Gear ratios - 4.40:1 to over 300,000:1

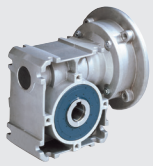
HIGH PERFORMANCE MOTORS & BRAKEMOTORS

INVERTER/VECTOR DUTY
- Standard or Energy Efficient
- Integral, NEMA or Metric IEC
- 1/6 to 250 hp

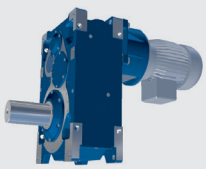
UNICASE™ SPEED REDUCERS



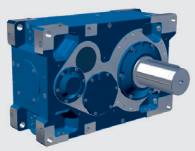
MINICASE™ RIGHT ANGLE WORM
- Foot, Flange or Shaft Mount
- Torque up to 3,540 lb-in
- Gear ratios – 5:1 to 500:1



FLEXBLOC™ WORM
- Modular bolt-on options
- Torque up to 4,683 lb-in
- Gear ratios – 5:1 to 3,000:1



MAXXDRIVE™ LARGE INDUSTRIAL GEAR UNITS PARALLEL HELICAL
- Modular bolt-on options
- Torque up to 2,027,000 lb-in
- Gear ratios – 5:1 to 1,600:1



MAXXDRIVE™ LARGE INDUSTRIAL GEAR UNITS HELICAL-BEVEL
- Modular bolt-on options
- Torque up to 2,027,000 lb-in
- Gear ratios – 5:1 to 1,600:1

NORDAC AC VECTOR DRIVES

SK180E FAMILY
- Distributed, simple speed control
- 380-480V, 3-phase to 3.0 hp
- 200-240V, 3-phase to 1.5 hp
- 200-240V, 1-phase to 1.5 hp
- 100-120V, 1-phase to 0.75 hp

SK200E FAMILY
- Distributed, high performance
- 380-480V, 3-phase to 30 hp
- 200-240V, 3-phase to 15 hp
- 200-240V, 1-phase to 1.5 hp
- 100-120V, 1-phase to 1 hp

SK500E FAMILY
- Compact, cabinet mount, high performance
- 380-480V, 3-phase, to 125 hp
- 200-240V, 3-phase, to 25 hp
- 200-240V, 1-phase, to 3 hp
- 100-120V, 1-phase, to 1.5 hp

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